# MY JOURNEY FROM BYTE TO TERA BYTE



Gigabyte



Terabyte

Taruna Mongia
National ICT Awardee
HOD, Summer Fields School
Gurugram, Delhi NCR, Haryana

# Me & My Family My Journey from Byte to Tera Byte



# Those Who Dream The Most Do The Most

### 1994-2000 Initial Career Challenges

1994: DTP Operator in Private Educational Institute

1995: Software Faculty in Reputed Computer Institute

1999: Joined School Teaching

2001-2006: Establishing myself into Teaching Profession with massive Technological changes and challenges

### MY JOURNEY FROM BYTE TO TERA BYTE

Software Faculty

1995

Joined Indraprastha

2007

First Online e-Skills Course

2015

**Gamification in Learning** 

2016

Received the National ICT Award

2019

2000

Joined Teaching in School 2010

Initiated <u>e-Gyan..</u>
<u>A Digital Pryaas</u>
and won Best
Digital School

**2015** 

Create to
Inspire:
First
Global
Project

2018

Nominated for NICT Award

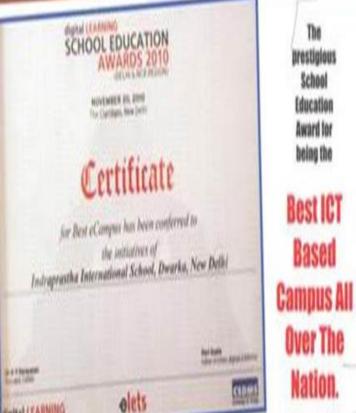
2021

Joined
SUMMER
FIELDS
SCHOOL



### **Best E-campus Award**









**CBSE** e-book preparation





### 2015-First Online e-Skills Course

#### Video Lecture on Green Jobs



#### Views through Padlet on Green jobs

😝 padlet screen shot - taruna... × 🌉 Taruna Mongia"s Class : Gr... × 💓 Taruna Mongia"s Class : Gr... × Journey to NASA -NATIONAL... × 💠









#### **CERTIFICATE OF COMPLETION**

"Developing Digital Skills in your Classroom"

14th September 2015 - 1st November 2015



Learning new Technologies

Peer Learning by Students

**Empowering my Students** 

Implementing into my Classroom

Sharing with Teachers

Learning, **Exploring and** Implementing the New Tools into my Classroom and sharing with other Teachers

### **Professional Development**







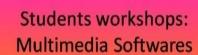




### **Sessions for Students**

Students workshops: Cyber Security









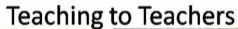






### Teachers' Training Sessions









#### Teachers Workshop on Office 365



Capacity Building for Teachers
By Microsoft Innovative Educator





### 2015-First Global Project











### **Learning During Global Project**

Where

Where!!!

**Organic Food** 

Good for

You! Good for

Earth!



		School Programme		
#	Exercise	Environmental Learnings	7	
7	Valuing	Understanding the value of the natural ecosystems and bio-diversity.  Linkages between the daily choices people	-	:
	Biodiversity	make and the impact of those choices on the bio-diversity.		
	Mimicking	Understanding nature's design which does not produce any waste.	-	
2	Nature	Concepts of Bio-Mimicry and Industrial Symbiosis.		
	Turn Off, Save	Conducting simplified energy audits at homes and schools.	-	
3	On	Understanding energy losses when devices are in standby mode; Relevance of buying products with high BEE star rating.		
1	Demystifying Carbon	Quantifying the impacts of daily lifestyles on environment using carbon calculators.	-	
7	Footprint	Understanding what changes in our lifestyles can help reduce our environmental impacts.		
5	Design for	Developing environmental design thinking amongst students.	-	
	Environment	Equip students to self-differentiate between products with low and high environmental impacts.		
	Think Before	Understand and evaluating - Needs vs. Wants; Identify environmental implications from impulsive buying and hoarding;	-	
6	Buying!	Promoting giving, reuse and sharing of resources; Concept of environmental backpack.		-
7	The Journey of Waste	Understanding of the lifecycle of various wastes we produce.	-	

8	Unpacking the Packaging Waste	Understanding the issues related to packaging; Analyzing obsession of people with packaging of new products.  Creating solutions to eliminate packaging and inspiring people to return packaging which is not needed.	
9	E-wareness	Understanding of waste generation from electrical and electronic goods at the end of their life.  Collection of e-waste and its responsible recycling by an authorized recycler.	
10	Be 'Fuel'ish or be Smart	Understanding environmental impacts from our daily transportation habits.  Enabling actions to optimize travelling and encourage ride sharing.	
11	Green Job in Every Job	Exploring careers in the field of environment; Identifying how can students make an environmental contribution in any job role they take in the future.	
12	Be a Petitioner- For a Cause!		
12	Water: Everywhere to	Understanding the threat on availability of clean water.	

homes and schools.

food items.

Conducting simplified water audits at

of fertilisers and pesticides; Benefits of

Introduction to the environmental impacts

going organic and sourcing locally grown









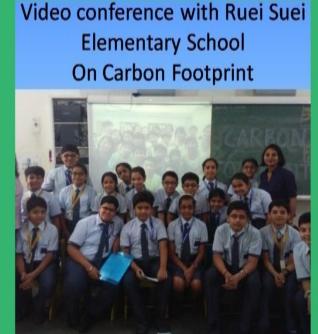
Boralanda Dharmanala School,

Sri Lanka

under

British Council

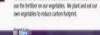
understand the value of bio diversity for our day today lit and survival. This project aims to share findings, compare some set differences & eimilarities on bio diversity of both contest the weak vist to be correstudents with skills of contest at an incorporation of the street of





The students of indraprastha international have performed two activities on Carbon Footprints.

prints.



ritishcouncil.org/projects/carbon-footprint-on-food



#### **SchoolsOnline**

n Discover international learning Classroom Resources For Teachers Partner with a scho

Home > Projects > Carbon footprint on food:

You are viewing an older project space which has been locked for further co





Spaces (new)

The students of Rueisuei I Taiwan, tried to make the t use the fertilizer on our ve own vegetables to reduce

tarriet Liao

Activity 1: Collage Footprints" by stu



The students of Indrapra









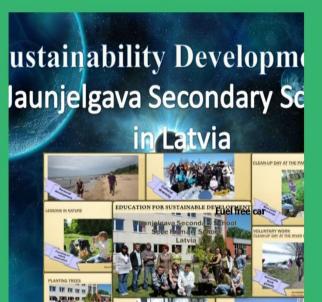
#### Wastage Management with, USA





## Go Organic Polpithigama National School, Srilanka





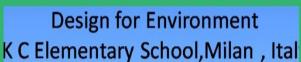


**Product Design from** 

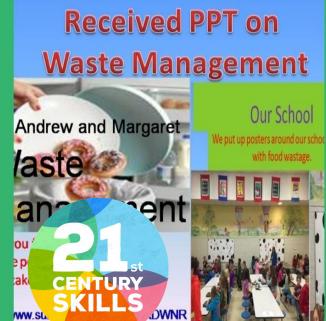










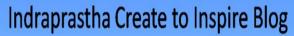


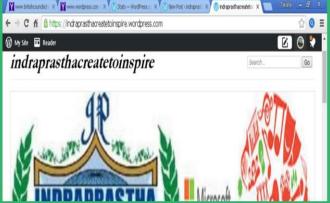
### Think Before Buying! Seoul Itaewon Elementry School South Korea



# ICT Tools Explored During Global Project Create to Inspire











#### Lesson Plan shared on e-Awarene Learning Designer



#### Survey Monkey

reyMor	ikey					
Examples *	Survey Services *	Plans & Pricing				
U	lpgrade to create more powerfi	il surveys: Get more answe	s and turn them	into results. View F	Pricing →	
obs			Summary	Design Survey	Collect Resp	onses
				□ Prev	iew & Test	⊕ Pri
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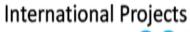












Through BRITISH COUNCIL



#### **SchoolsOnline**

Discover international learning Classroom Resources For Teachers Partner About Schools Online

Home > Partner Schools



Messages (1 new)

#### Partner Schools

Ay Partner Schools

Boralanda Dharmapala Vidyalaya Boralanda, 3ri Lanta



The students of Rueisuei Elementary School in Taichung City, Taiwan, tried to make the fruit leftover into fertilizer. We will use the fertilizer on our vegetables. We plant and eat our own vegetables to reduce carbon footprint.

Harriet Liac

#### Activity 1: Collage making on "Carbon Footprints" by students of India



The students of Indraprastha International have performed

#### INTERNATIONAL SCHOOL AWARD 2014-17

THIS IS TO CERTIFY THAT

Indraprastha International School New Delhi

HAS BEEN RECOGNISED FOR

#### OUTSTANDING DEVELOPMENT OF INTERNATIONAL LEARNING IN THE CURRICULUM

04 DECEMBER 2014



Martin Davidson cwo Chief Executive, British Council



Bring #LIVE sessions to your classrooms with



#### **Taruna Mongia**

Connected her class with a recognized educator sitting in Africa.

#### **Neeru Mittal**

Engaged her class in an interactiv Q&A session with an international educator.

#### Taljit kaur

Conducted a LIVE learning sessio with a renowned educator sitting



#### **#Best Innovators**

Skype-a-Thon 2017 Participant







#### CLASSROOMS

Professional development for teachers

#### ICT for International Learning

Certificate of completion

This is to certify that

Taruna Mongia

Attended a participatory course on ICT for International Learning

March 29, 2017



Professor Jo Beall, Director of Education and Society, British Council

### 2016-Gamification in Learning



#### **GAMIFIED LEARNING**



**Empowers** students

**Promotes persistence** 





Regulates self-direction

**Develops social skills** 





Creates self-directed learning communities

Plans for risk-taking





Regulates students to 'play with' ideas



### 2016-Gamification in Learning

(Go Ahead for Meaningful Education)

























INNOVATIVE TEACHING
METHODOLOGIES WITH ADVANCED TOOLS

Learning Approach and Path

**GAME** 

Based Learning Activities



Future Ready Minds

Opportunity for Personalized, Inclusive, and Immersive Learning Experiences

Training to My Computer Team



#### **Trainning on Scratch to Class X**







Flip Classroom/Peer Teaching

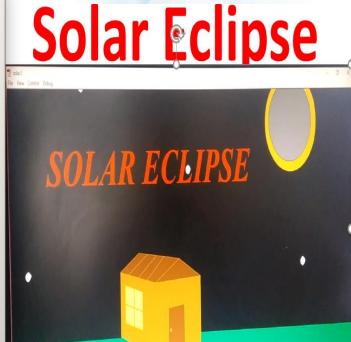












**KODU**\* GAME LAB \*

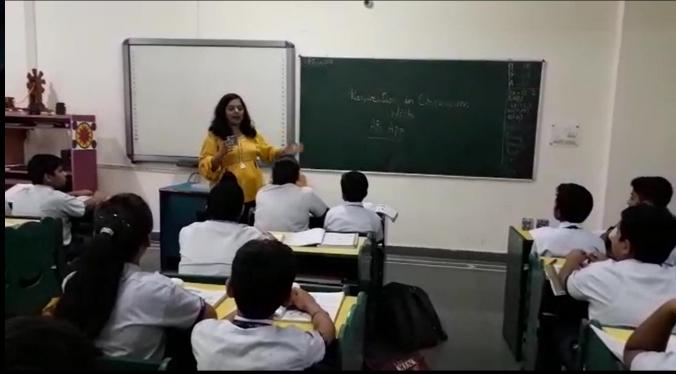
### Teachers' Training on Advanced Tools











### **Excitement & Engagement**









#### Kodu Game Lab Tutorial-1 by Indraprastha International School

Vidhu Mathur • 49 views • 1 year ago

Kodu Game Lab **Tutorial**-1 by **Indraprastha International** School Watch the second **tutorial** here: https://youtu.be/eWaBdwABYLs.

## Advance Here:http

Tutoria Class

Taruna Mongia · 40 views · 1 year ago

Tutorial Part-1 on Minecraft by Indraprastha International Taruna Mongia Class.



Simple Machine Lesson



skype lesson on kodu with chandra and duhita



Teaching Aid on Simple Machine by Taruna Mongia in Minecraft



turorial on advanced minecraft by angad



tutorial 1 on kodu by angad



tutorial 2 on kodu by angad

### QR Codes For Easy Sharing



Mine craft Teaching Aid -1 Video



Mine craft Teaching Aid-2 video



Kodu Game Lab Tutorial Part-1



Mine craft Tutorial Part-1 and PART-2



Game made by Students in Kodu



Video lecture using Mine craft as tool

### Professional Development Continued..

Workshop on Education in 4<sup>th</sup> Industrial Age

Workshop on Adobe Tools



**CBSE digital Learning Workshop** 





### 2018-Nomination for National ICT



# Learning from Experts with New Family





### 2019-Honured with National ICT Award

### Celebrations! Pride! Appreciations!



### Virtual Celebrations! Appreciations!

रायपुर, मंगलवार २४ दिसंबर २०१९

राष्ट्रीय पुरस्कार-२०१७ में सम्मानित हुए छग, मप्र, दिल्ली व हरियाणा के शिक्षक

### स्कूली छात्रों के जीवन को सुधारने में मददगार आईसीटी : मंत्री धोत्रे

हरिभूमि न्यूज 👀 .नई दिल्ली

केंद्रीय मानव संसाधन विकास राज्य

#### सराहे गए छत्तीसगढी

का उल्लेख करते हुए कहा कि इससे न केवल आईटी ट्रल्स की मदद से इनके रकल के छात्रों को लाभ हो रहा है बल्कि यह अपनी कक्षाओं में पदाए गए पाठ का वीडियो बनाकर दूसरे कुलों से भी साझा करते हैं, जिससे बाँकी स्कलों के शिक्षकों के अलावा छात्रों को भी उक्त पठन सामग्री का



दिल्ली के द्वारका इंढप्रस्थ इंटरनेशनत रकल की होड आफ डेपार्टमेंट एंड पोस्ट कंप्यूटर साइंस

43 शिक्षकों को राष्ट्रीय आइसीटी पुरस्कार

पिछडे इलाकों में शिक्षा की

गुणवत्ता बढ़ाने पर काम

एकब

भीमा युद्ध दक्षिणपंथी

संभाजी भि

नोटिस जारी

कोरेगांव भी STEETE U

Yesterday at 10:12 PM · Q

National ICT Award for School Teachers: Smt. Taruna Mongia, CBSE with her new innovative idea of using gaming software and AR/VR mobile applications in the classroom teaching, with a methodology of peer-learning and flip classroom, is able to develop 21st century skills among students. She has developed various e-contents including video tutorials for supplementary learning in various subjects. Her efforts made teachinglearning more effective and interesting. She has also used various social media tools such as Skype and cloud sharing. She has used ICT skills for community services.

National Council of Educational Research and Training -

#DrRPNishank #sanjaydhotremp Ministry of Human Resource Development Government of India #HrushikeshSenapaty Amarendra Prasad Behera Indu Babra Kumar

https://www.youtube.com/watch?v=TGgkJcjhGMM





Shri (Dr.) Ramesh Pokhriyal 'Nishank' Hon'ble Union HRD Minister, Govt.of India interacted with #National ICT Awardee Teachers at Shastri Bhawan, New Delhi on December 23, 2019 @DrRPNishank @HRDMinistry @hk\_senapaty @ap\_behera



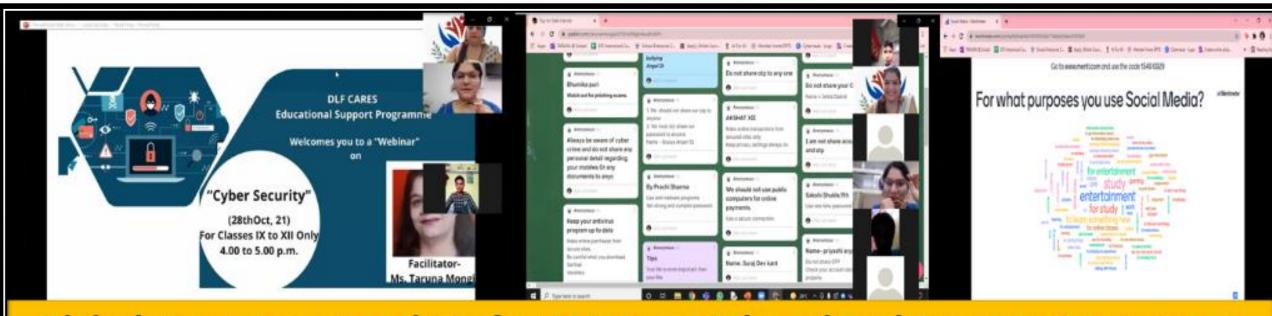
करें शिक्षक : निश्नं का मास्ट नई दिल्ली। मानव संसाधन विकास<sup>व</sup>र्मित्रों रमेश पोखरियाल निशंक ने सोमवार को आईसीटी शिक्षक (सचना एवं संचार प्रौद्योगिकी) प्रस्कार पाने वाले 43 शिक्षकों को बधाई दी और कहा, पिछड़े

शिक्षकों शिक्षकों को पुरस्कृत किया गया। शिक्षकों को यह सम्मान मानव संसाधन विकास राज्यमंत्री संजय धोत्रे ने दिया। उन्होंने कहा कि ये शिक्षक अपने ज्ञान व तकनीक अन्य शिक्षकों को भी दें। इन शिक्षकों को मिला अवार्ड : पंचकूला के गवर्नमेंट मॉडल संस्कृति सीनियर सेकेंडरी स्कूल

पॉने वाले

के राजकमार आर्य, पंचकुला के शिक्षा सदन के प्रमोद कमार, हिमाचल प्रदेश के मंडी के डॉ. रमेश जम्मू-कश्मीर के गंदरबल शिक्षक करातपुर के बीरेंद्र सिंह, अमृतसर के वरमानी को उत्कृष्ट कार्य के लिए पुरस्कृत किया

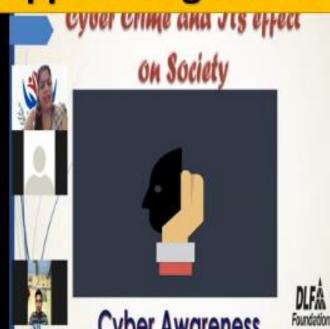




#### Digital Awareness Sessions for DLF Cares Educational Support Programme







**DLF Cares** 

#### Helping Speacial Children with Immersive Reader

allô les cadavres des



Immersive Reader Now whatever I'm speaking



Immersive Reader for Students with Special Needs in Reading





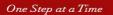


Empowerment

Outreach

Helping The









#### April-2020 New Normal Find The Opportunity in a Challenge'













AI FOR ALL

Taruna Mongia

ALAPPRECIATE 202

intel



Microsoft

2019-2020



-Certificate-

This is to Certify Ms / Mr / Dr / Prof TARUNA MONGIA

HOD, of Summer Fields School

has participated in the 5 days Online Training on "Artificial Intelligence

For Education" organized by CIET-NCERT during

20-24 September 2021 and has scored above 70% in the Quiz.

® PART DE BUDDI.AI

ost users to take an online computer programming lesson in 24 hour on April 24th 2021 6FM to April 25th 2021 6FM

Gehman







CERTIFICATE

OF COMPLETION

This certificate is awarded to

Taruna Mongia

for successful completion of the online course fo

in partnership with CBSE.













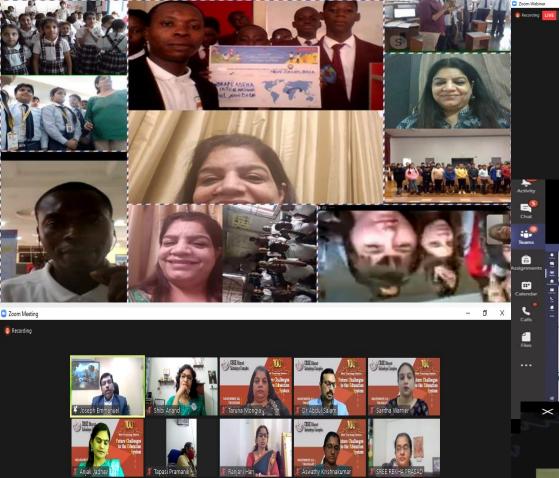














P Type here to search







#### HE Maia Sandu, President of Moldova



Excited for Virtual and Online mode learning kits and programme by LEGO Foundation #strongschool #summer fields school india

### Webinars on ICT Tools NCERT, CBSE etc.



INTRACES.

Saturday, 16th January 2021

- For Assessments

and much more

- As a Systematic Analytical Tool

Register Now https://forms.gle/q9fuq8vUag28XEra8

- For Collaborative Space Tool & Blended Learning

For Educators

### Teachers' Training Sessions for Schools



## MY JOURNEY: BEGINNING OF A NEW CHAPTER FROM TERA BYTE TO ......

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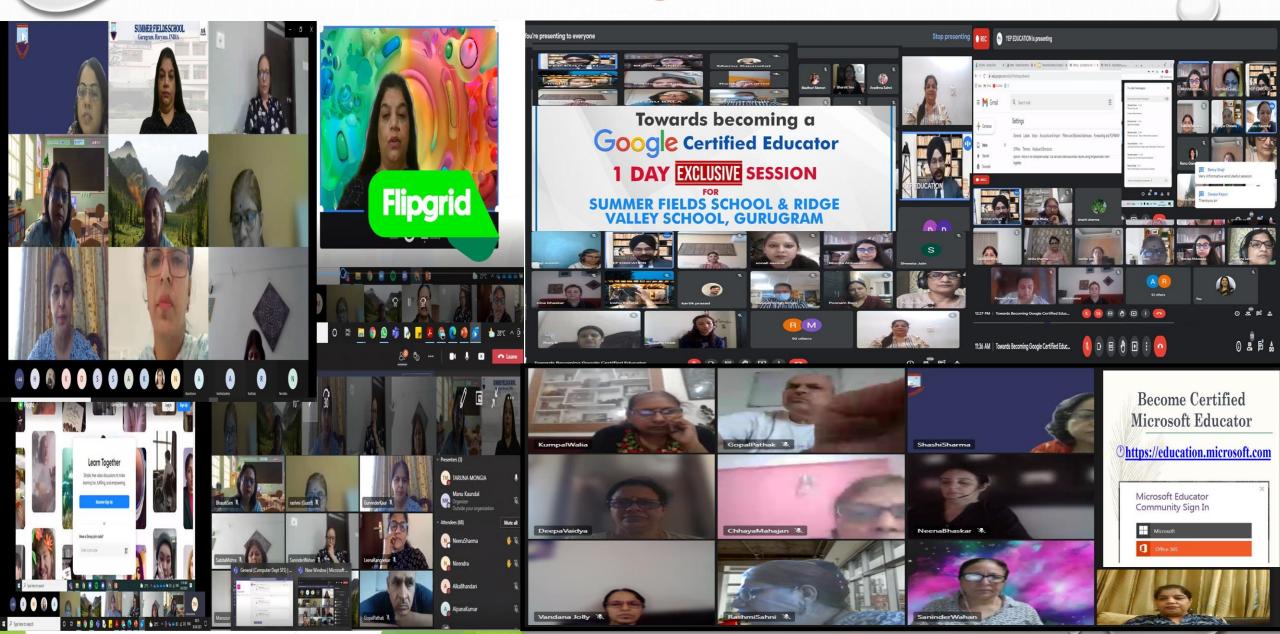
Create to
Inspire:
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2018

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Joined
SUMMER
FIELDS
SCHOOL

## Teachers' Training Sessions at SFS

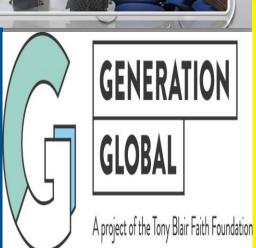


#### Initiatives at Summer Fields School





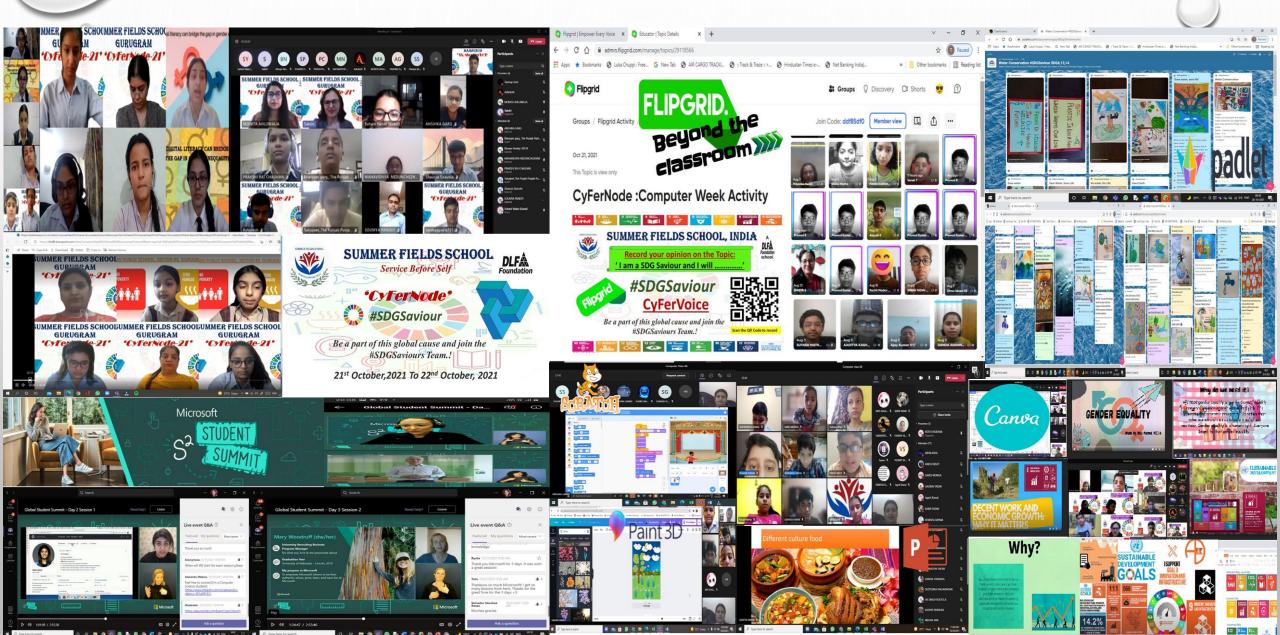




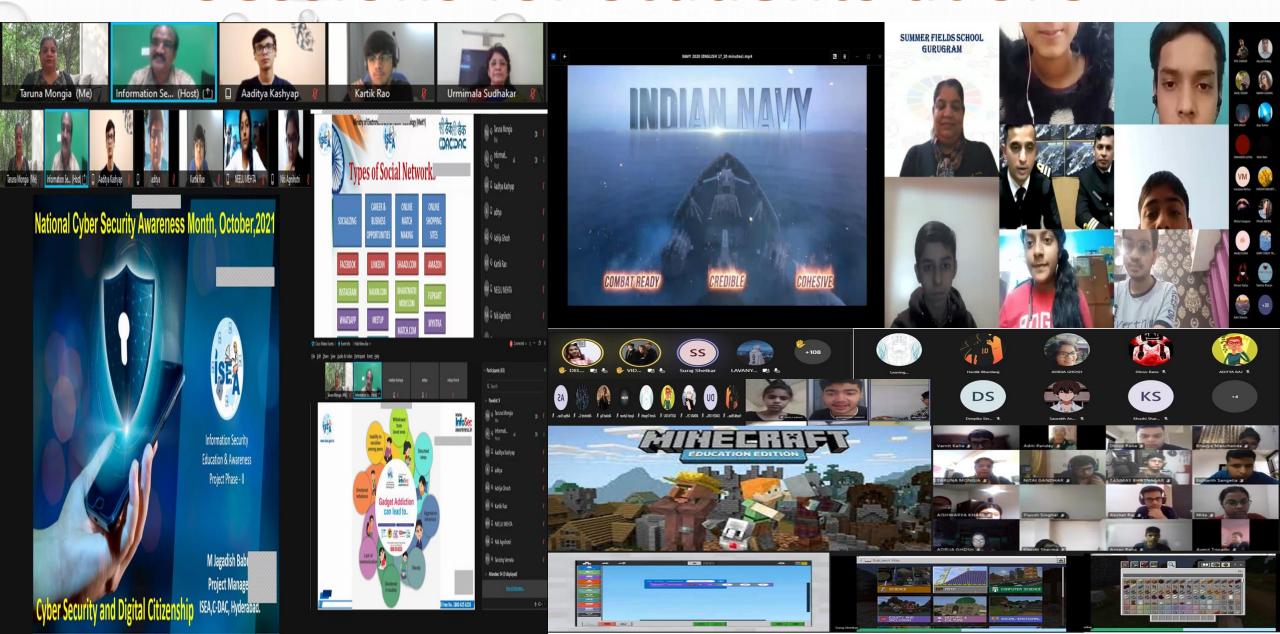




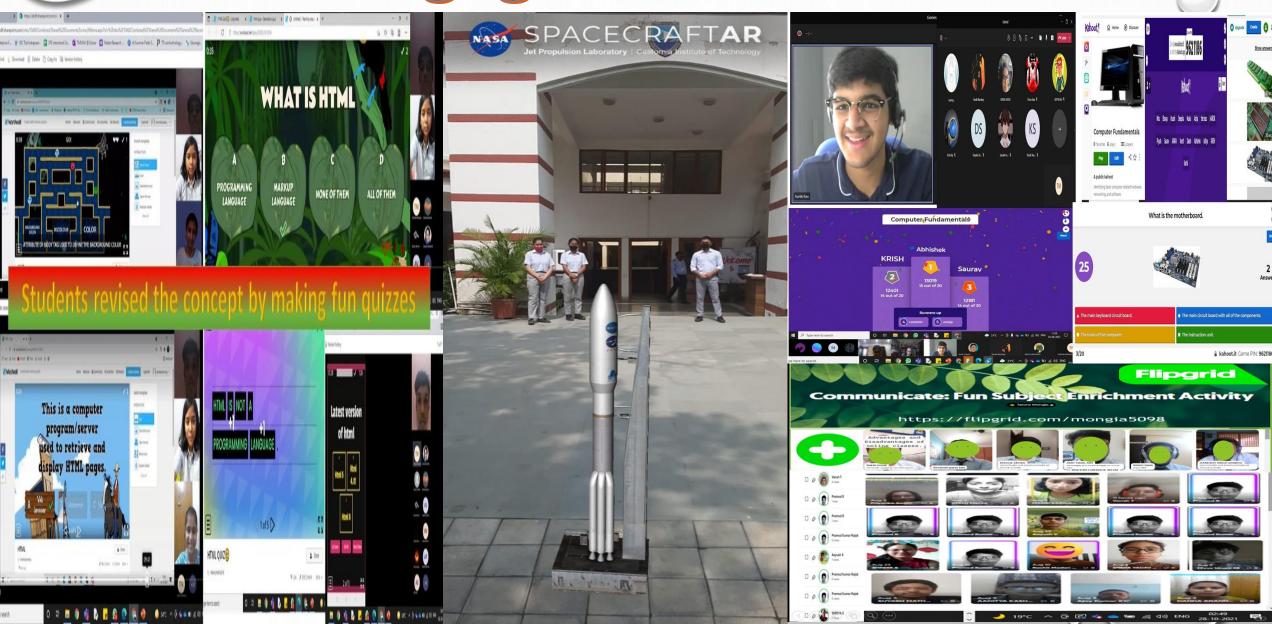
### Tech Event, Tech Club & Tech Week at SFS



#### Sessions for Students at SFS



## Students' Engagement in Online Mode



# Collaborative Projects with Other Schools' Teachers



## **Achievements and Appreciations**

#### **Appreciations**

- National ICT Award 2017
- National Teacher Award 2018
- Global Teacher Award 2018
- Global Teacher Award 2018
- Dell Policy Hack For Teachers 2019
- Digital Star Award 2020
- IT Guru Award 2020
- Acharaya Awards 2021

#### **Achievements**

- Microsoft Innovative Educator and Master Trainer
- Office Certified Spacialist
- Adobe Educator Expert
- Google Expert Educator
- AI Ambassador by Intel
- Academic Excellence Award
- Zero Investment Teaching Innovative Idea
- Community Service initiative, Surakshit Beti, Prashikshit Beti









#### **Award for Academic Excellence**



#### **Awards and Appreciations**



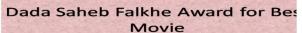


















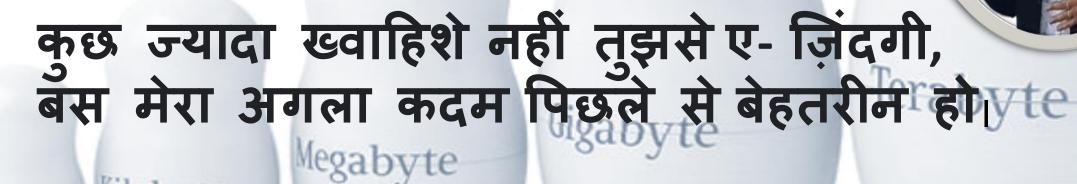






## JOURNEY CONTINUED.....

"ALL ARE DREAMS CAN
COME TRUE, IF WE HAVE
THE COURAGE TO PURSUE THEM"



Kilobyte

Byte

Taruna Mongia: National ICT Awardee
HOD, Summer Fields School, Gurugram, Delhi NCR, Haryana