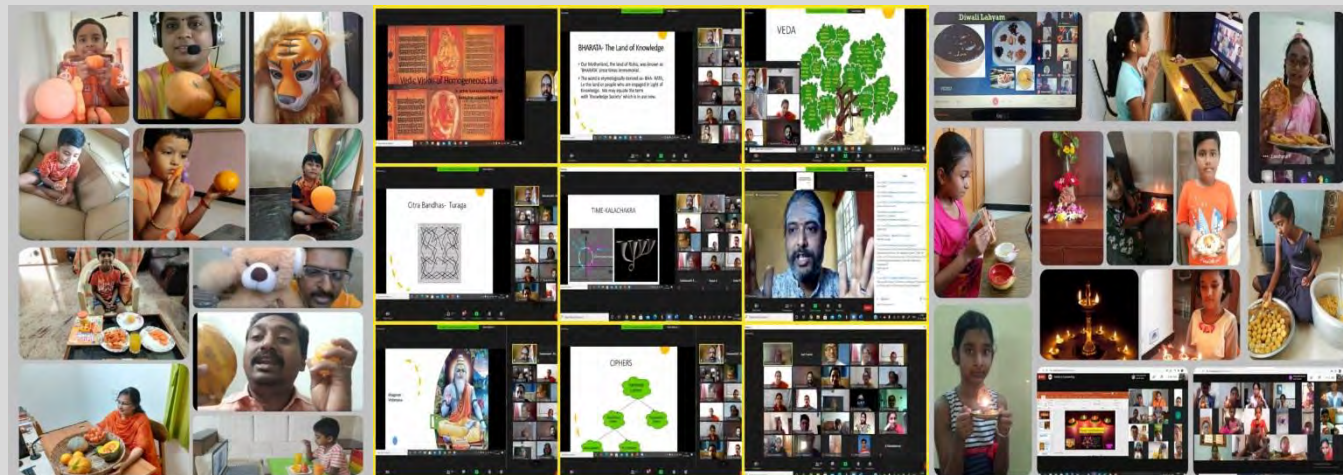


# Newsletter

# November '20

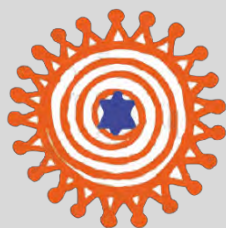


## In this Issue:

- The festival of nine nights
- Navratri celebration
- The wonders of oranges
- Magic circle
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- What is the expanse?
- Let's honour children
- It is free to say it's name
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- Living lamps
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- Exploration

- Food pyramid
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- Role play
- Know the saints
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- Guest lecture
- Mind map
- The dreaded disease
- Seminar
- Well begun is half done
- Story telling session
- The utsav pre-celebration session
- Linking learning

- **Utsav 2020**
- **New learning**
- **New dimensions**
- **The power of questioning**
- **Delving into the Ithihasas**
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- **Global citizenship**
- **Biomimicry**
- **Physics**
- **Biology**
- **Career guidance**
- **The power of language processing**
- **Training the trainers**
- **Exploration on careers**
- **Personal digital archives**



# Chettinad Vidya Mandir

**To educate individuals to become compassionate and responsible global citizens who contribute towards sustainable development.**

The collage consists of 15 individual images arranged in a grid-like fashion. The top row features five images: a boy holding two plastic bottles, a girl holding a paper doll, a girl holding a clay figure, a boy holding two clay figures, and a boy holding two clay figures. The middle row contains three images: a boy holding two clay figures, a boy holding two clay figures, and a boy holding two clay figures. The bottom row shows three images: a boy holding two clay figures, a boy holding two clay figures, and a boy holding two clay figures. The images are of varying sizes and are set against a dark background.

They listened to a story of Navratri through a puppet show, observed varieties of earthen dolls, watched a video on the making of earthen dolls, discussed on the importance of dolls, ways to handle and maintain those at home.

2





Crafts and posters were created by the students of grades III to V after exploring the different ways by which Navaratri is celebrated across India.

They created an evolution ladder after observing the sequence of the arrangement of the dolls in the Bommai kolu.

They watched the puppet show by the CVM acharyas on Mahishasuramardhini.

# THE WONDERS OF ORANGES



KG children celebrated Orange day by sharing orange things in the circle time with a sentence starter, sang orange day song, acharyas from other departments enacted as a fruit and vegetable seller, introduced the name of orange fruits and vegetables and shared the benefits of eating orange fruits and veggies, Tamil teacher wrote a rhyme and sang the rhymes along with the children. All the children drank fresh orange/carrot juice at last. To enhance the motor skill, children observed the mixing of colors, prepared orange paint and created an orange thread painting as an offline activity.



# MAGIC CIRCLE



KG children celebrated green day. During the circle time each one shared the name of the green veggies. The teacher initiated the importance of the green vegetable and insisted on the benefits of eating spinach. Children listened and recited the green veggie rhyme.

# LET'S EXPLORE



Children of Grade-I prepared a hanger balance and compared the weight of different materials.

# LEXICO



Children of Grade -I created a Sentence rule card to self edit their sentences.



# WHAT IS THE EXPANSE?



The capacity of the containers were measured by grade I students using non standard units.

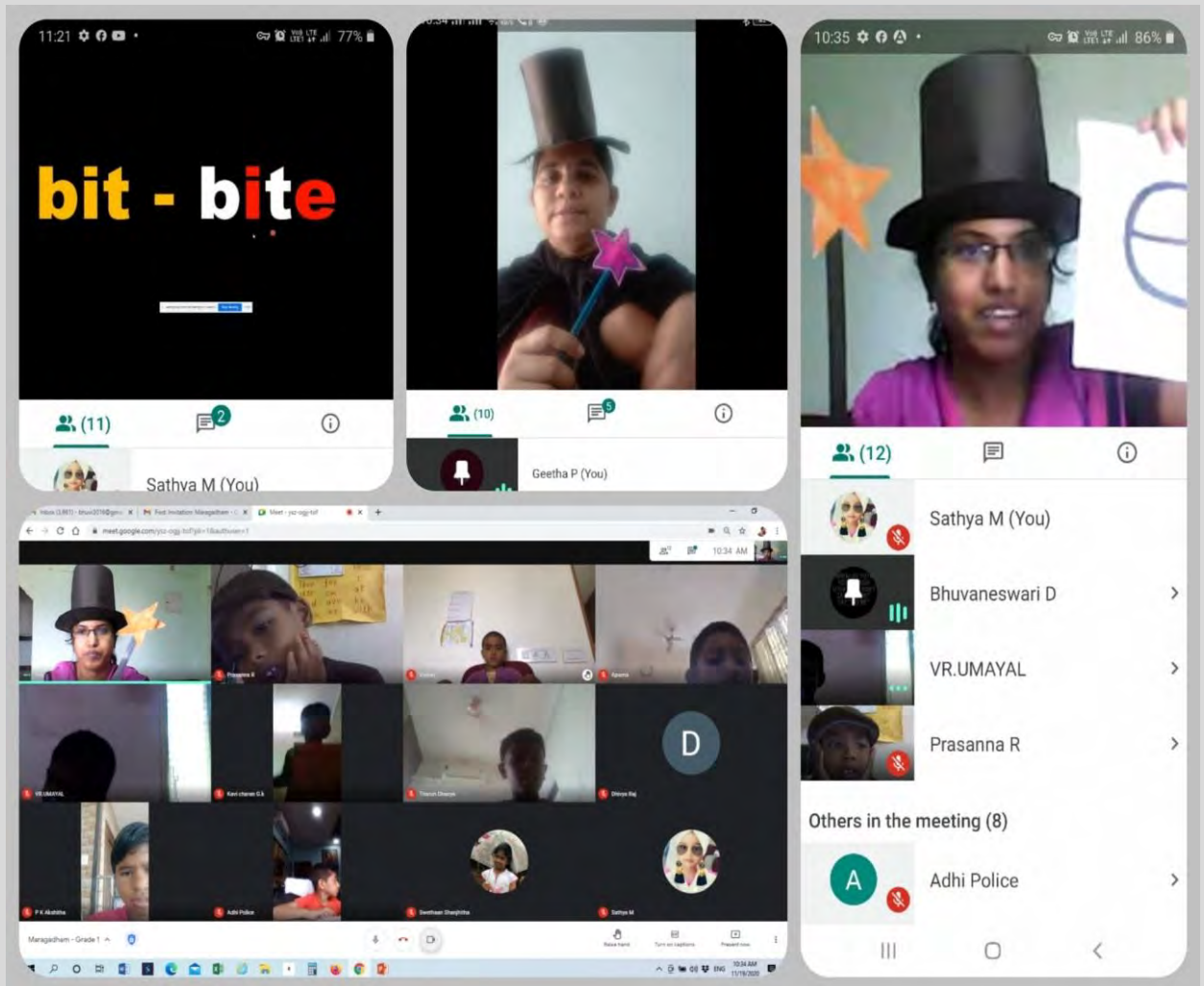


# LET'S HONOUR CHILDREN



Students from KG to grade-II celebrated the children's day with their young guests online. All the children invited their friends, had a grooming time and fun time by playing varieties of games. A costume party with a background music was arranged and they danced in their party wear. During the gift time, acharyas shared the links of the stories, narrated by the famous storytellers and issued online stickers.

# IT IS FREE TO SAY IT'S NAME



Grade-I acharyas enacted as a magician to introduce the Magic 'e' rule. Children sang a rhyme and read new words by applying the rule.



# MULTIPLICATION



Children of Grade-III solved the multiplication sums using the available manipulative.

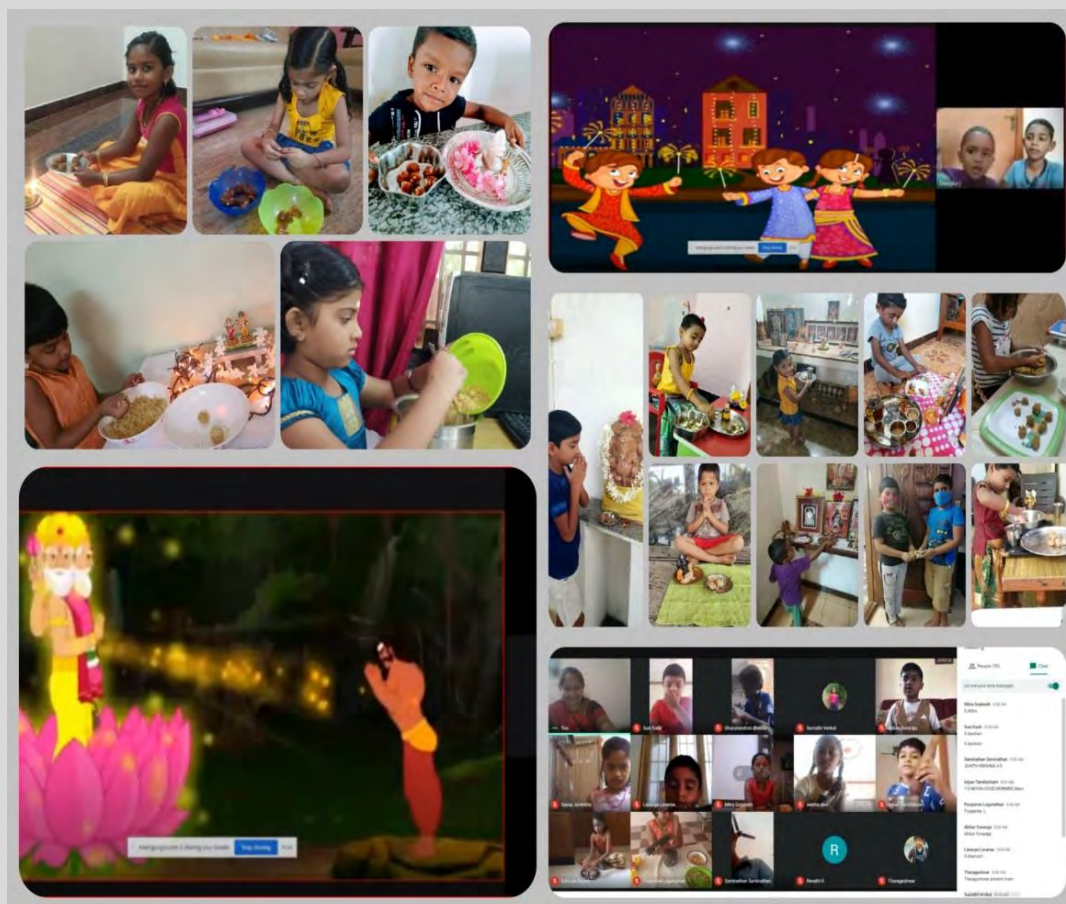
# NERVE MODELS



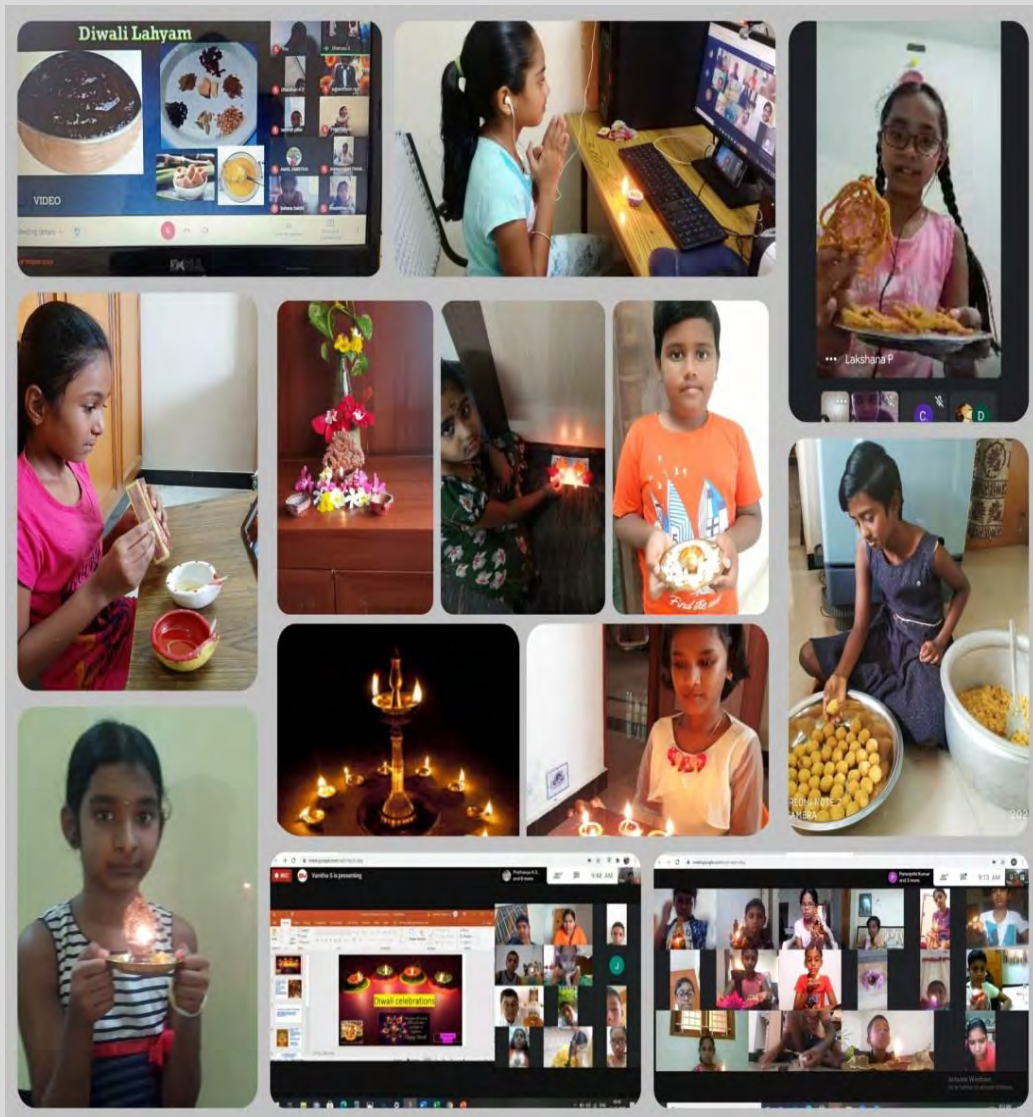
To understand the parts of the nervous system, structure of nerve cells and their functions our grade-5 children created a model by themselves and labeled the parts and spoke about the vital role played by the neurons in our body.



# LIVING LAMPS

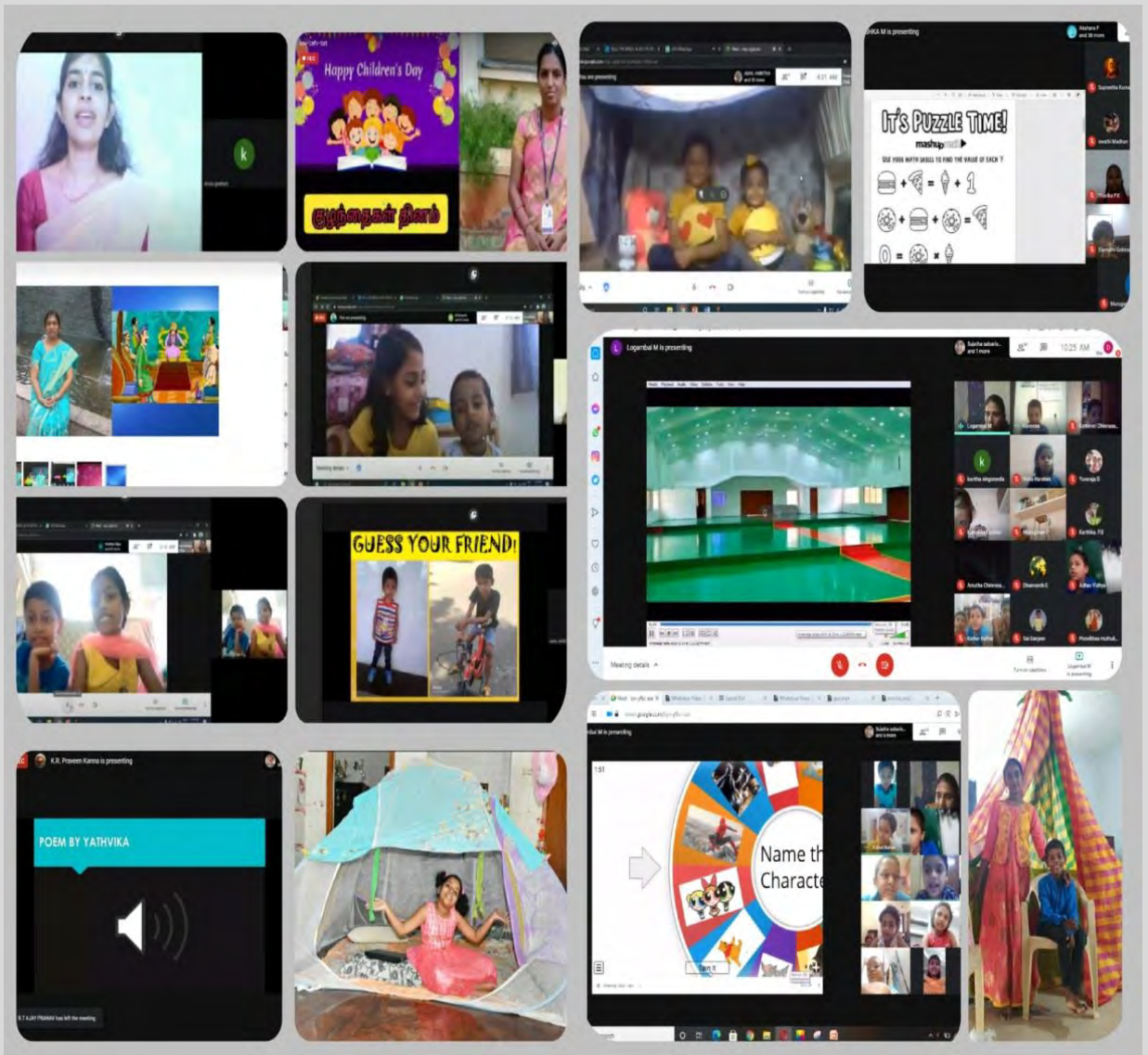


Diwali was celebrated by KG to grade II children with the theme of welcoming and sharing. Children prepared sweets during fireless cooking time, shared the same with their neighbors and received the visitors with sweets. Shlokas and story on Diwali were shared with children. The benefits of Ganga snan, Green Diwali and lighting lamps every evening at home were discussed with children. They painted diyas and created lemon diyas offline.



For grades III to V, teachers narrated the story of Narakasura and explained the significance of the celebration of Diwali, discussed Green Diwali during the circle time, shared the cultural and traditional values and the benefits of "Diwali Legiyam" and also discussed the victory of the "Good over Evil".





Fun games, treasure hunt **Principal's** address, video on the newly painted auditorium of our school were a part of **children's** day celebrations for grades III to V.

A variety of entertainments like dance and freeze, costume party brought a lot more excitement and joy.

# EXPLORATION OF NUMERICAL QUANTIFICATION



Grade - III children explored the numerical quantification of measurement using different attributes.



# FOOD PYRAMID



The food pyramid was designed by our grade-IV children to represent visually on how different foods and drinks contribute towards a healthy diet.

# PUPPET SHOW



More exploration was done by grade IV students to know the attributes of 2D shapes & their real life applications, properties of Quadrilaterals and they presented their learning through a Puppet show and Venn Diagram.

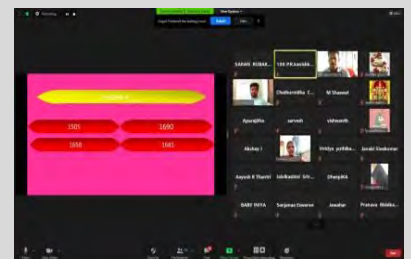
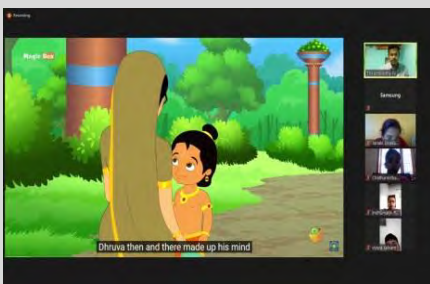
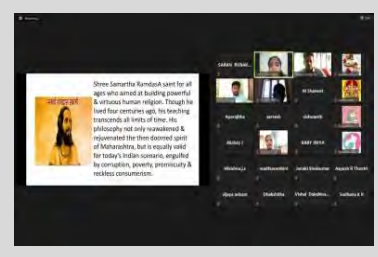
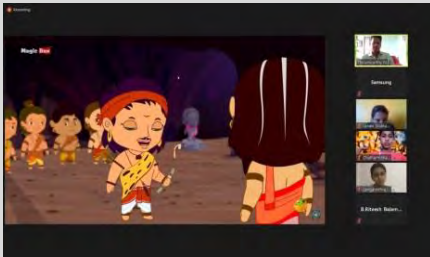


# ROLE PLAY



Grade VI children did a role play for the lesson, "The cherry tree". One disguised as tree, and another student enacted as interviewer. The interviewer asked the tree questions about its life and hopes for the future.

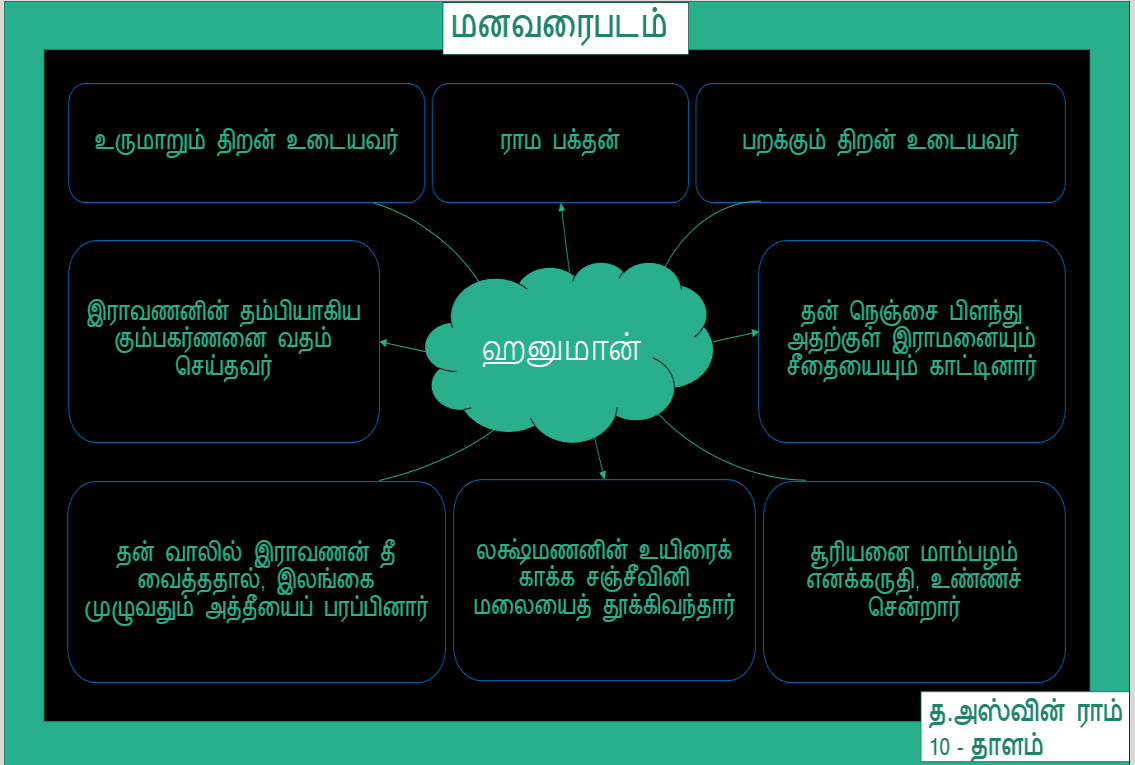
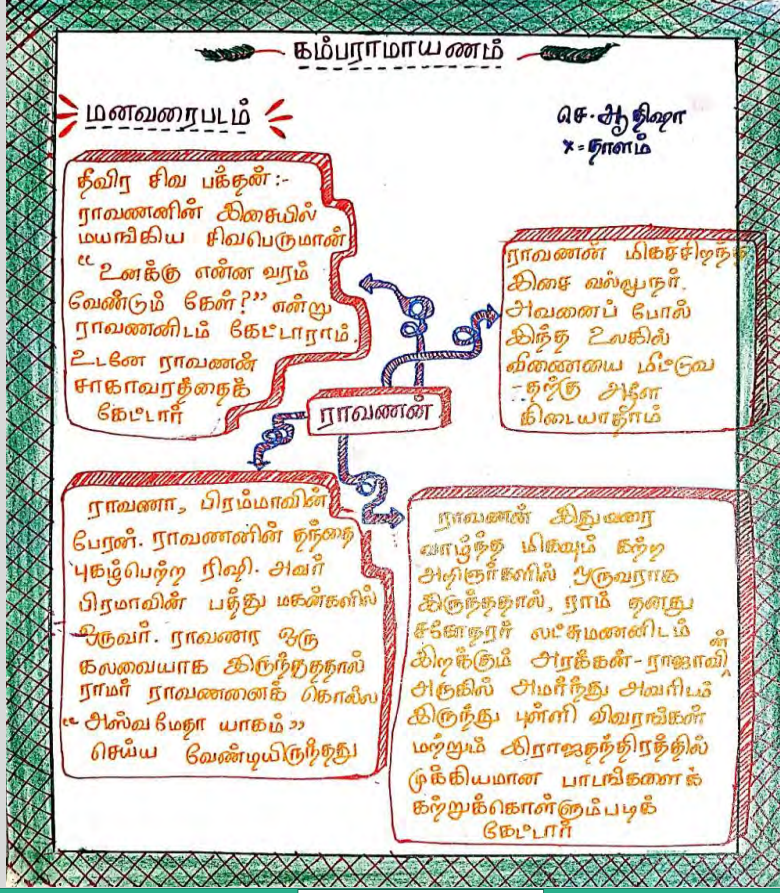
# KNOWING THE SAINTS



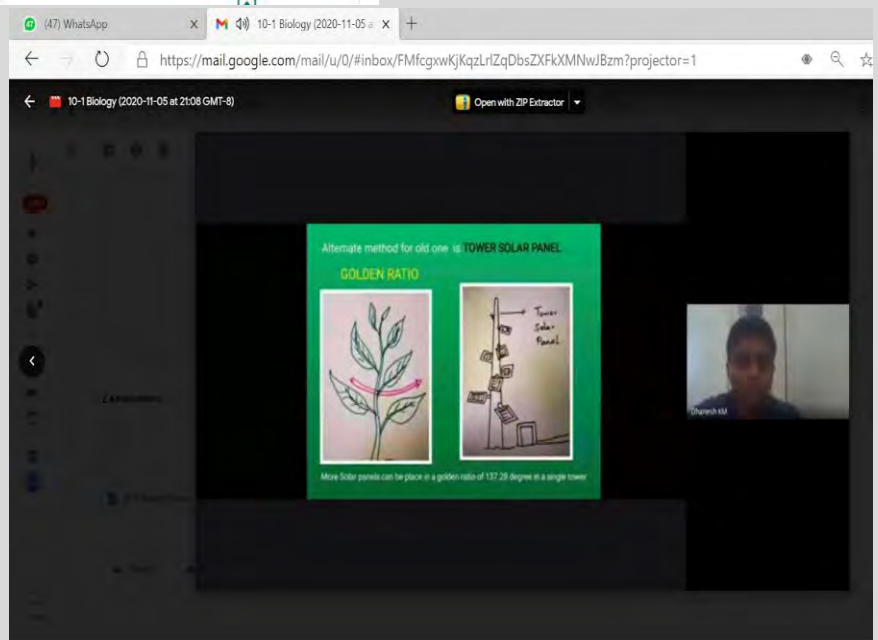
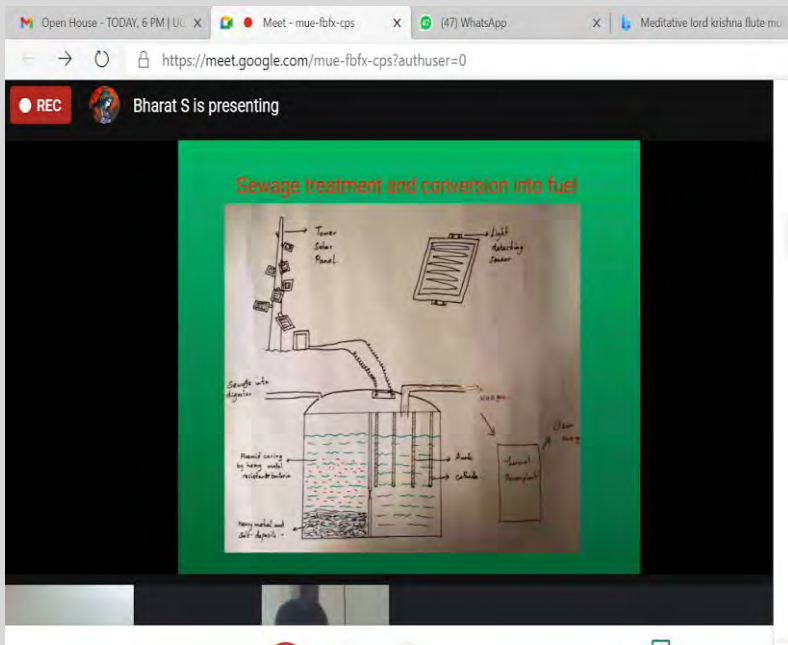
Story about saints was shared with Grade VII students and the values were discussed



# மனவரைபடம்



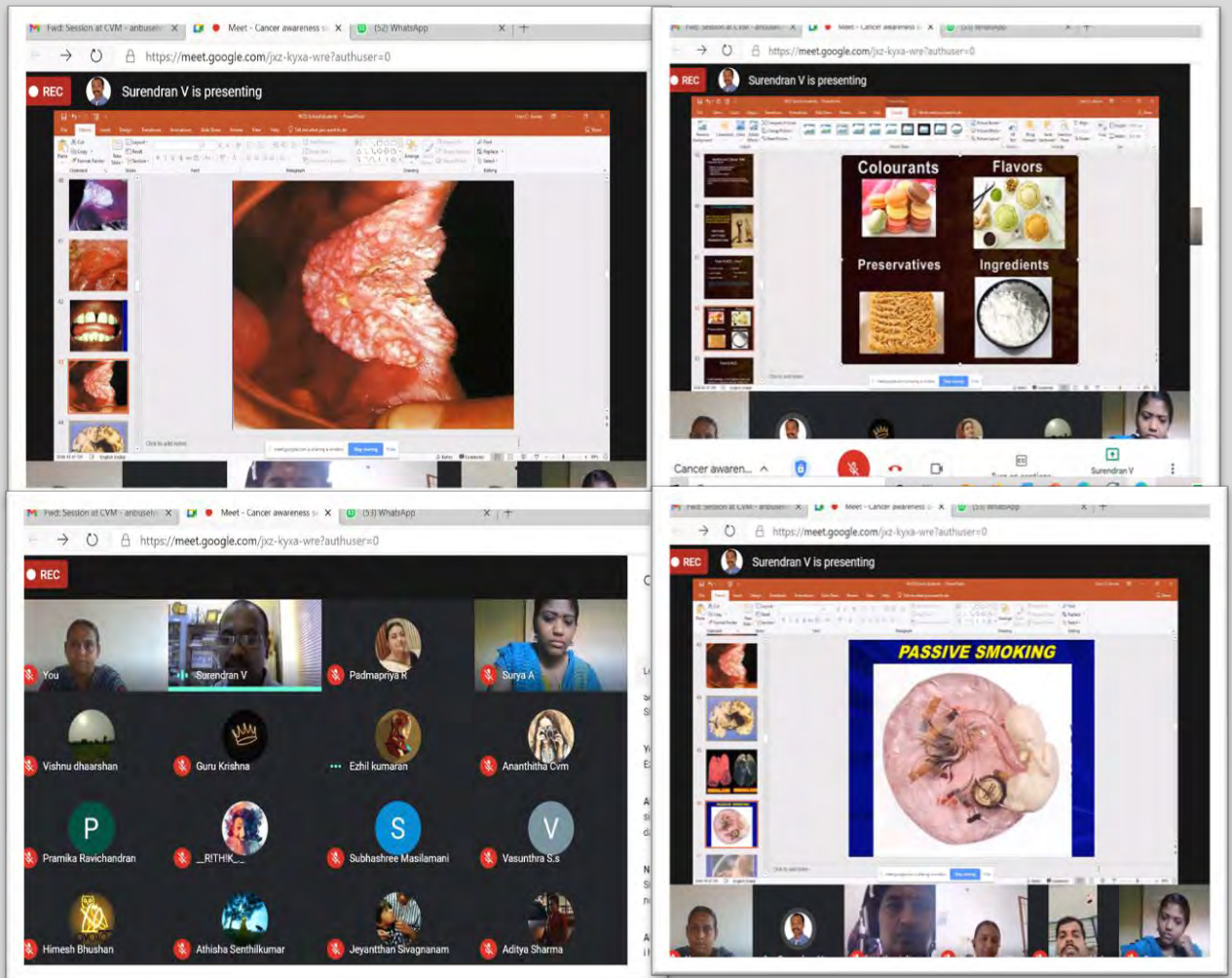
# GUEST LECTURE - MR. BHARATH



Mr. Bharath, Microbiologist and a Science teacher, gave a guest lecture on his research of tower solar panel and sewage treatment to grade X students.

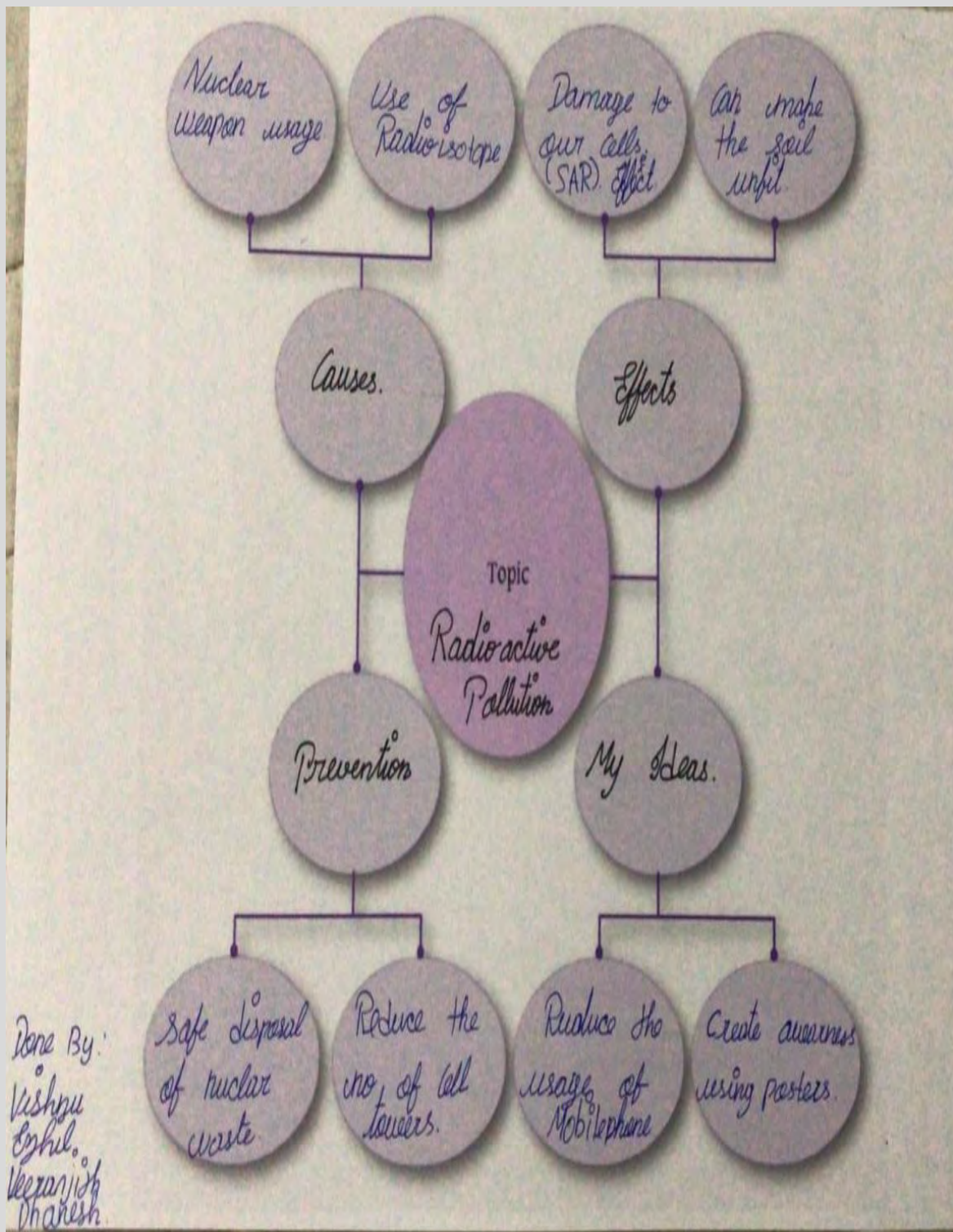


# GUEST LECTURE – DR. SURENDRAN



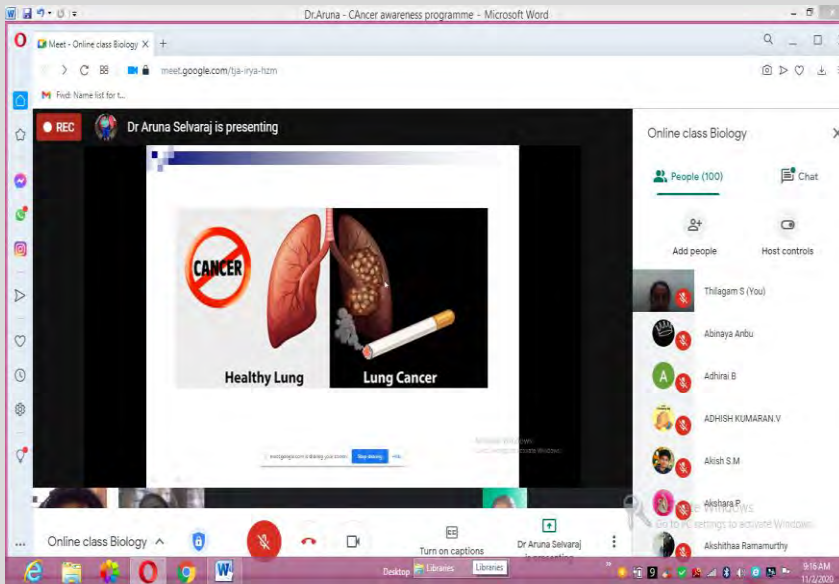
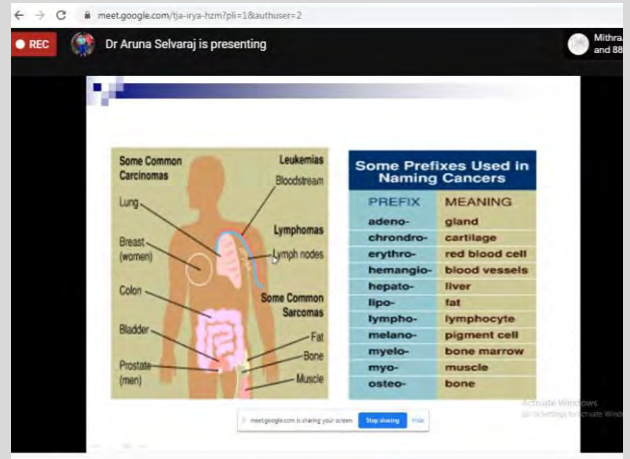
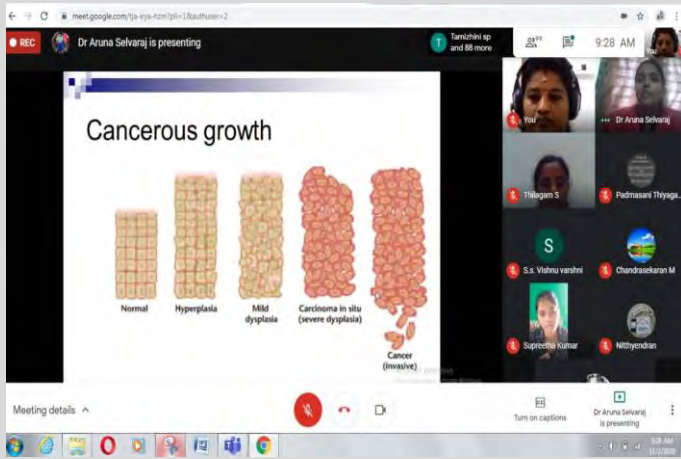
Dr. Surendran, Head of department of pshycooncology and of tobacco research at cancer center, Adyar, Chennai gave a guest lecture on the causes, consequences and the ways to prevent cancer to grade X students.

# MIND MAP – THE CAUSES, EFFECTS, PREVENTION OF DIFFERENT TYPES OF POLLUTION



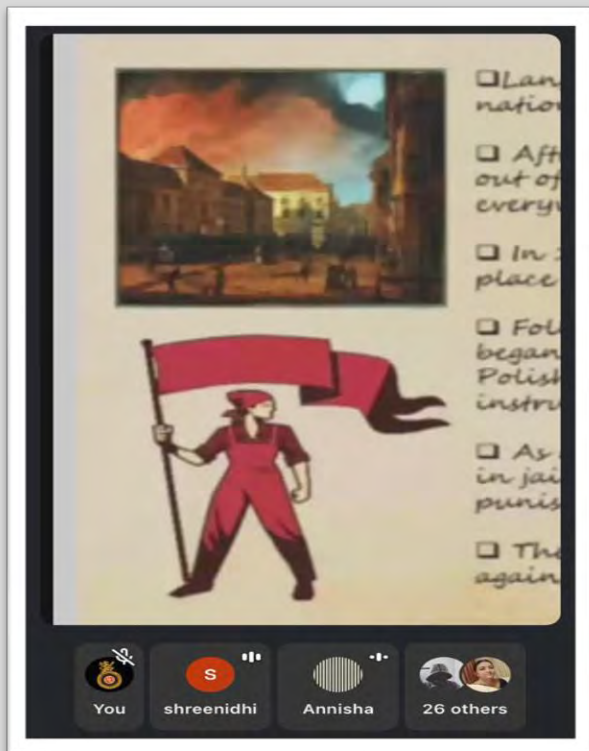


# THE DREADED DISEASE



Dr. Aruna Selvaraj, our parent, gave an interactive session on “Cancer” to the students of grade 9. She focused on the causes, consequences and the preventive measures for cancer. They could connect the learning with the lesson, “why do we fall ill?”.

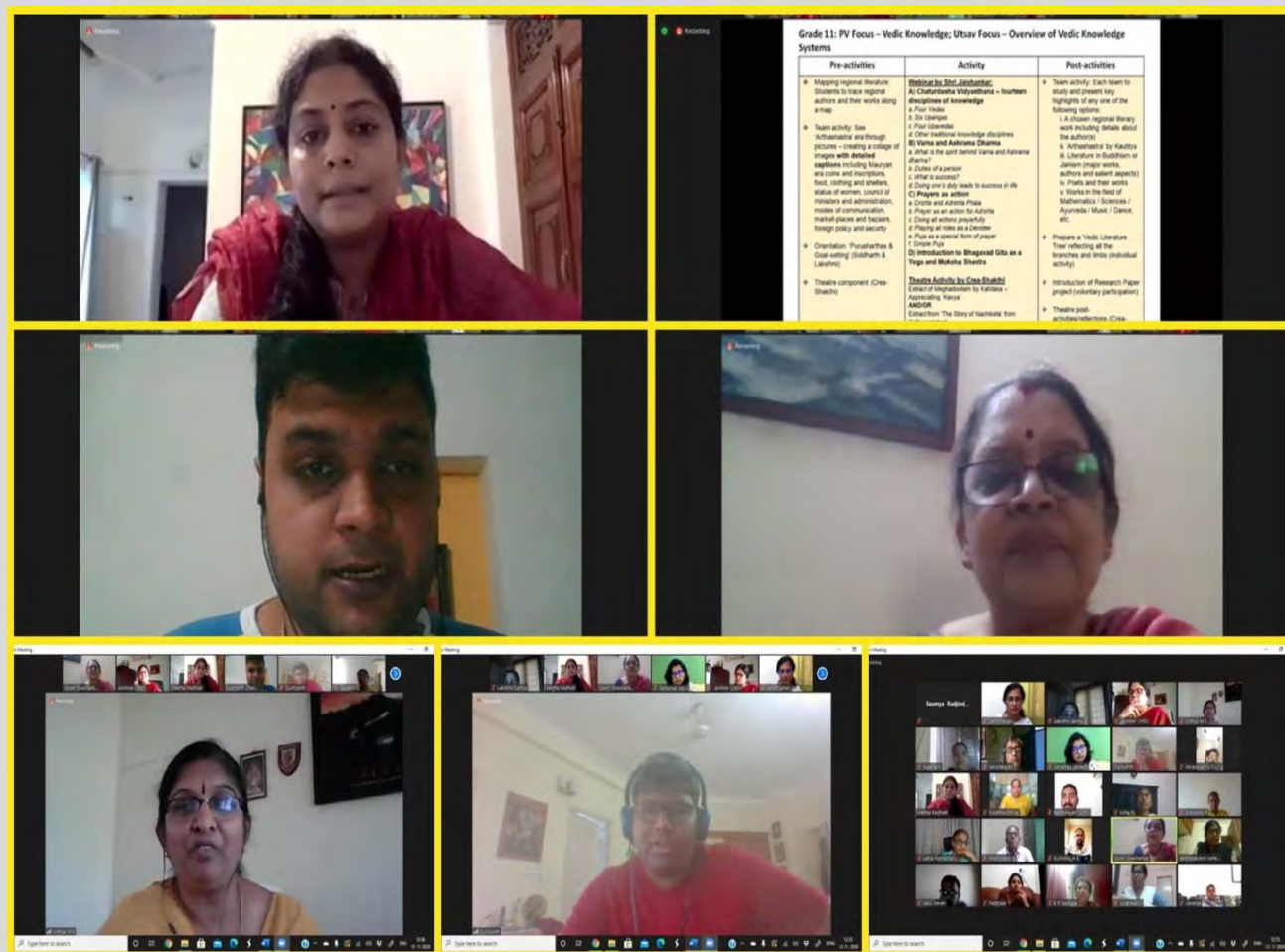
# SEMINAR NATIONALISM IN EUROPE



Communication, presentation, effective use of technology were evident in student presentations on "The rise of nationalism in Europe".

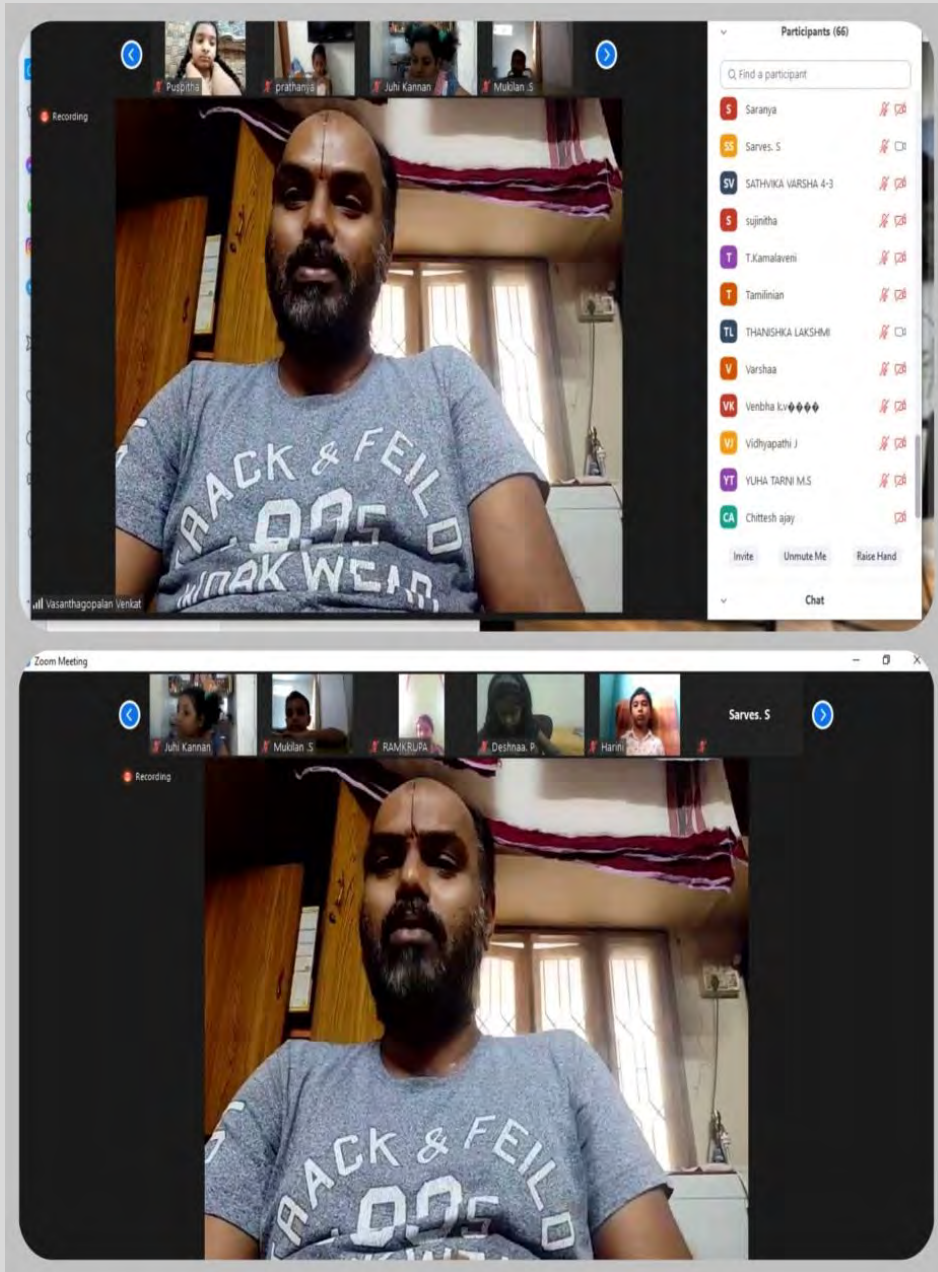


# WELL BEGUN IS HALF DONE



A general Meeting was organised by our director Mrs. Geetha Muthiah involving all the group schools to explain the plans for UTSAV.

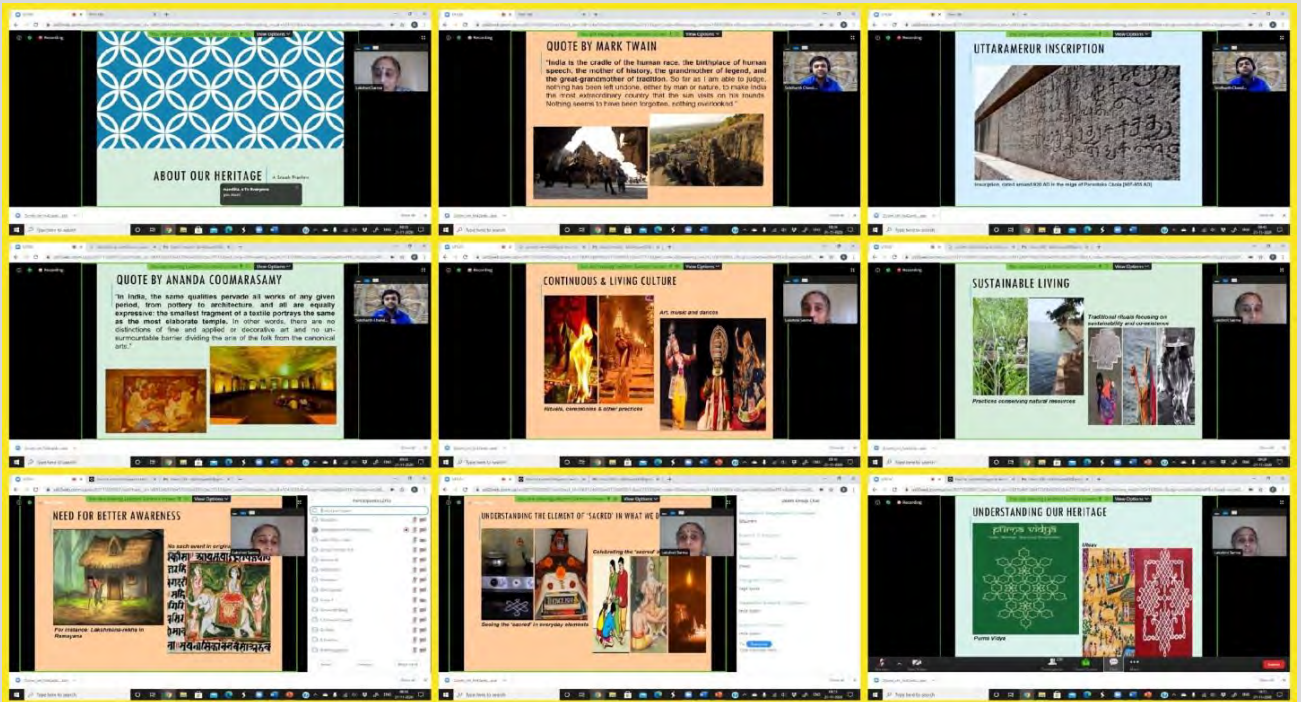
## STORY TELLING SESSION



L.T.V. Vasantha Gopalan, a lecturer from Chennai shared the story of Pundarika and Vittala for Grade-IV children, which was an UTSAV pre activity.

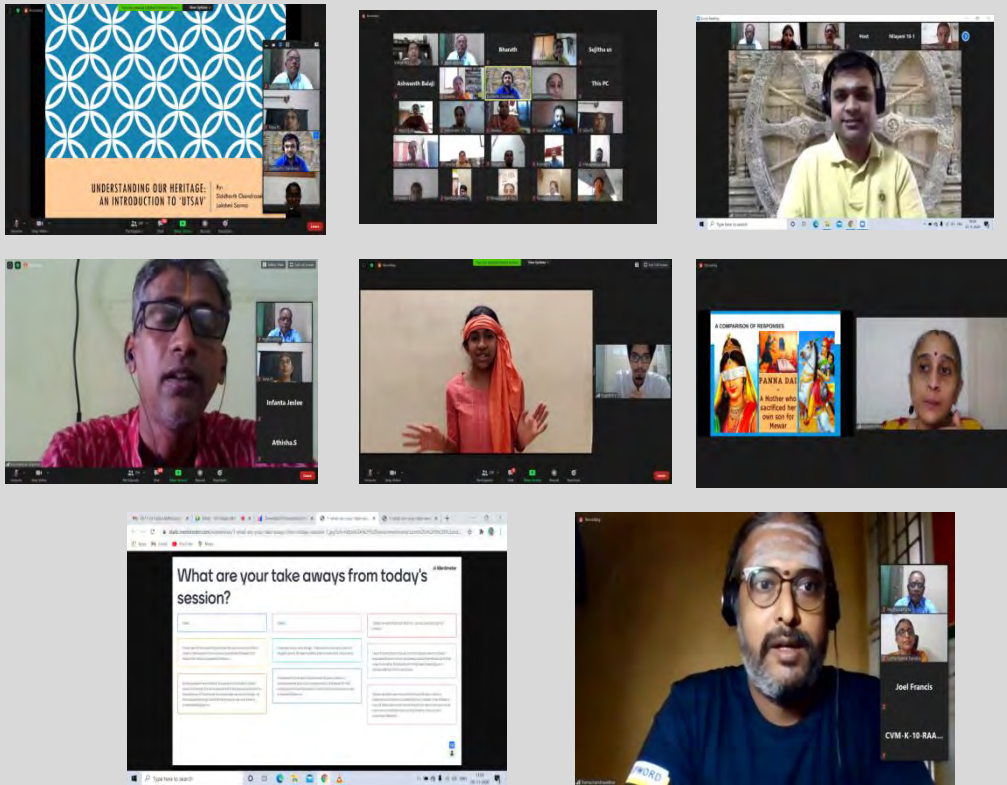


# THE UTSAV PRE-CELEBRATION SESSION



The Utsav pre-celebration session conducted by Mr. Siddharth and Ms. Lakshmi from CHSV, Chennai. This session helped the children to get to know more about our culture, traditions, practices and more about values.

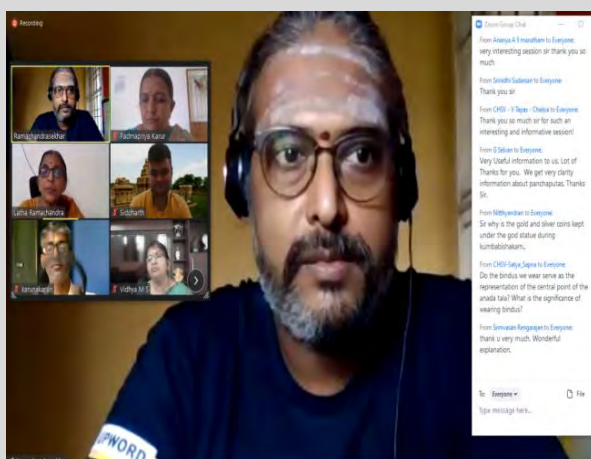
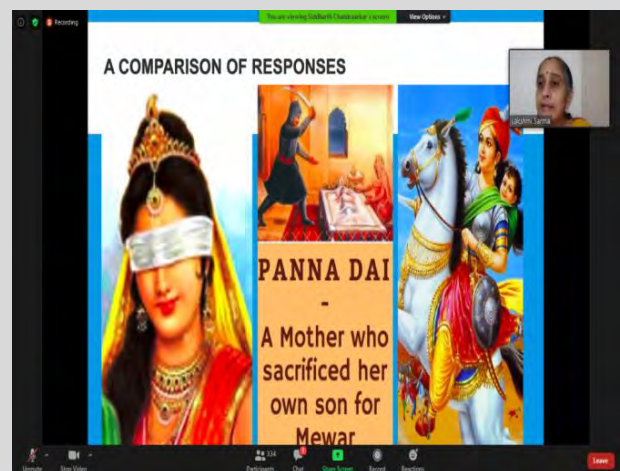
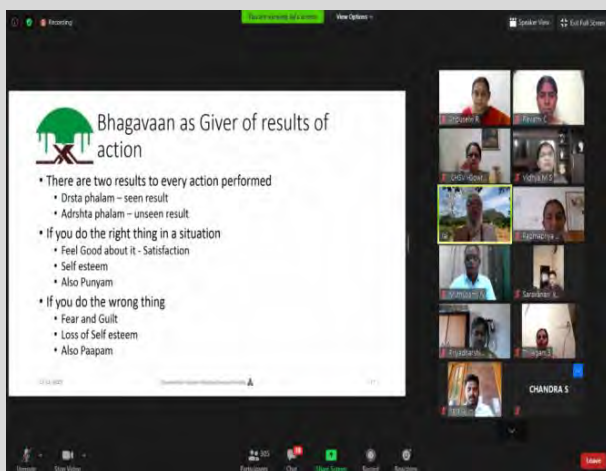
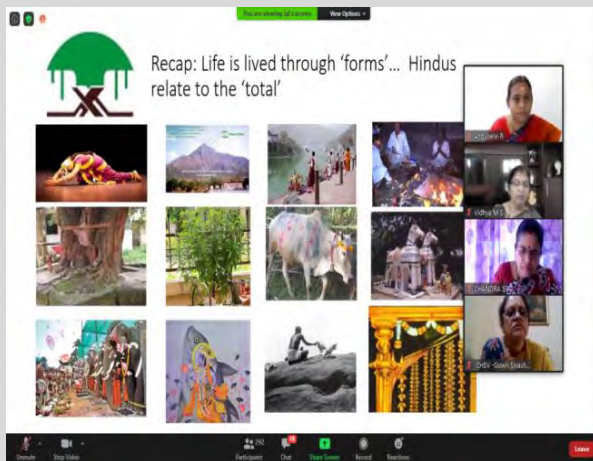
# UTSAV 2020



The immersive learning experience to imbibe, enquire and understand the vision of Vedic culture was scheduled for three days for every grade. Sessions by Ms.Laxmi Sarma and Mr.Siddharth to understand Dharma as a conscious choice one makes beyond basic needs, conflicting Dharmas and the consequences of their choices enlightened the students of grades XI and XII. The webinar by Shri. Jai Shankar Ji threw light on Dharma as a way of life and the sanctity of nature, plants and animals around us.

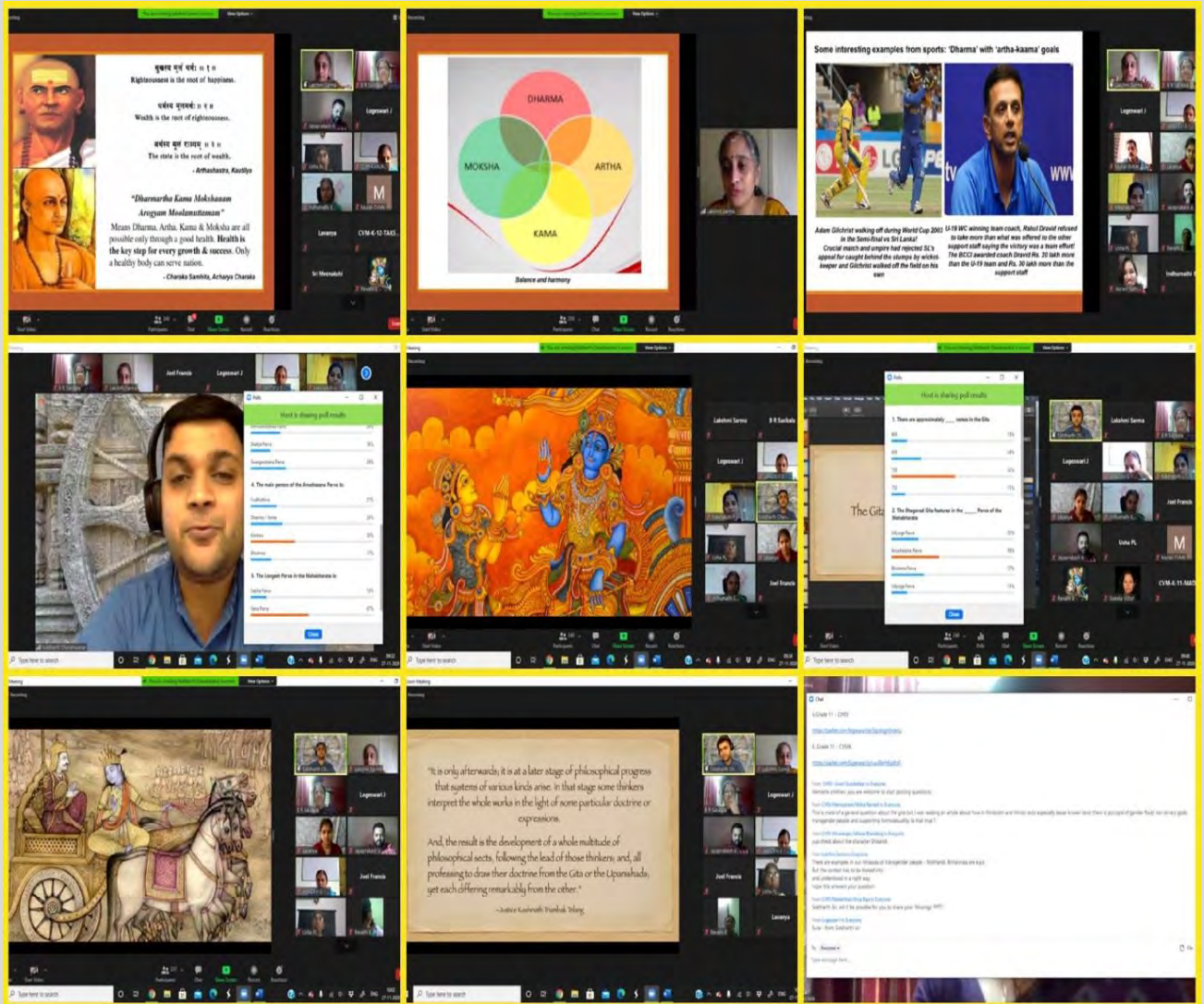


# UTSAV 2020 – AN IMMERSIVE EXPERIENCE ON VEDAS



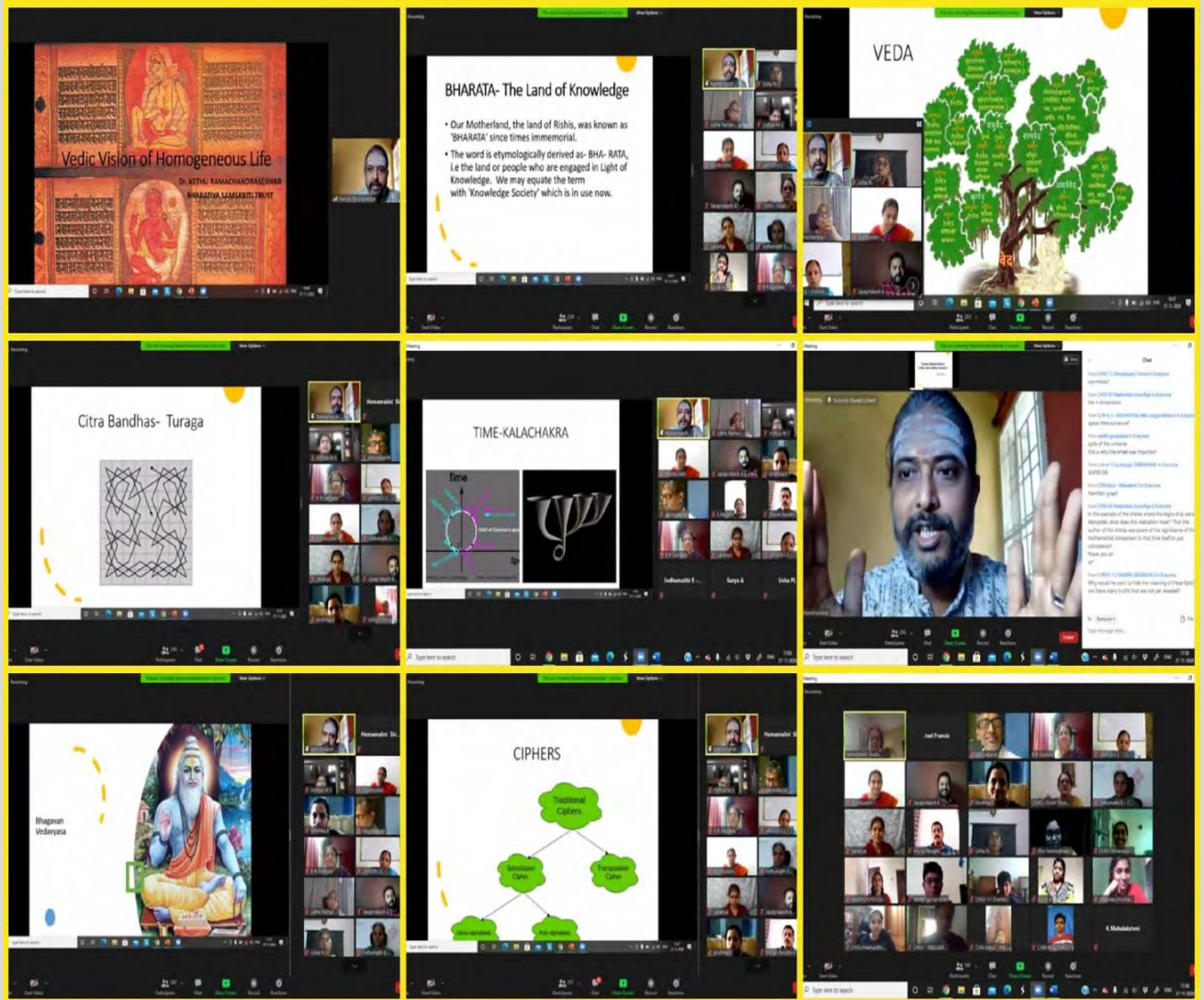


# NEW LEARNING



Students of grades XI and XII learnt about Purusharth has and goal setting in their Utsav session.

# NEW DIMENSIONS



Dr. Ramachandrasedkar elaborated on the Vedic vision of homogenous life.



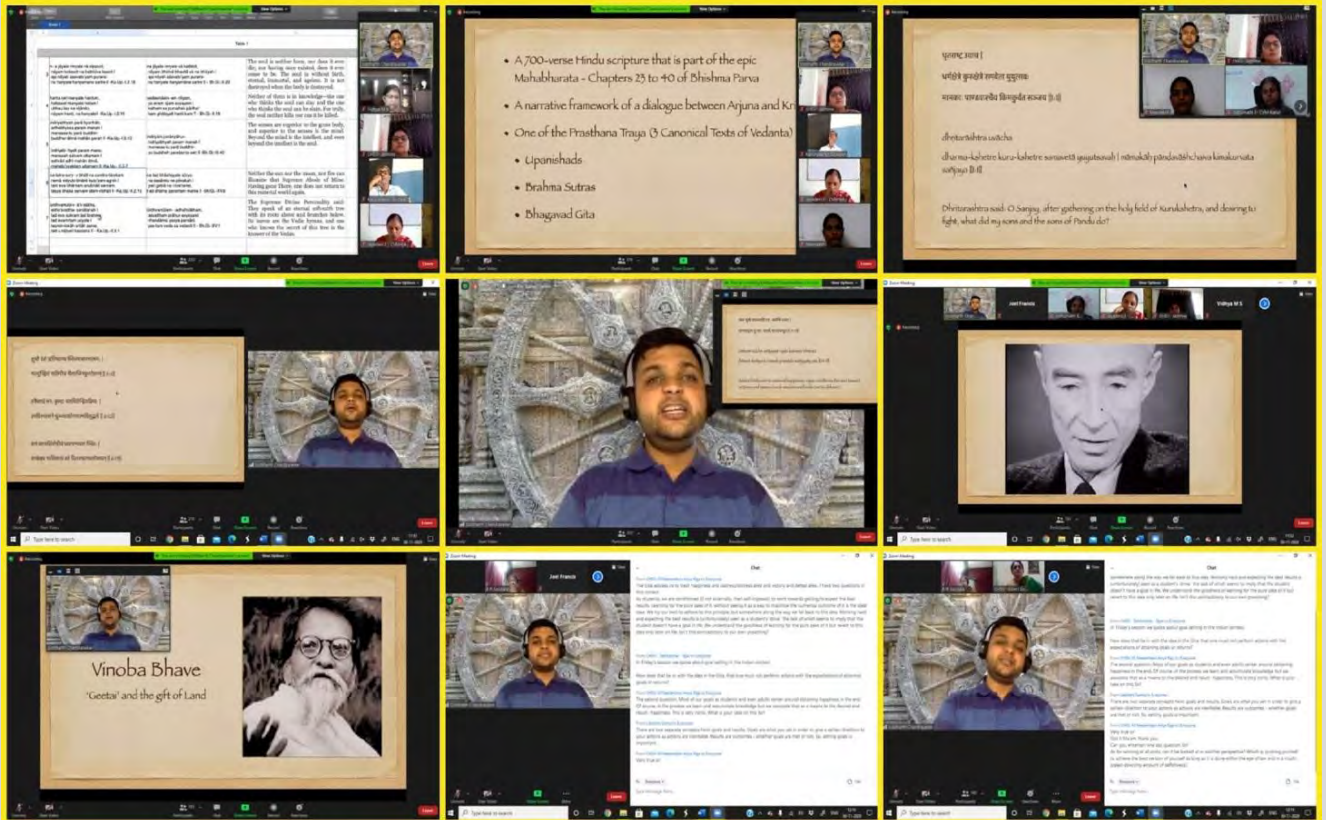
# THE POWER OF QUESTIONING



The play on **Nachiketa's** Yama Samvadha by the students of Chettinad Hari Shree Vidyalayam threw light on effective questioning, righteousness, correcting the mistakes of others, and exhibiting hospitality.

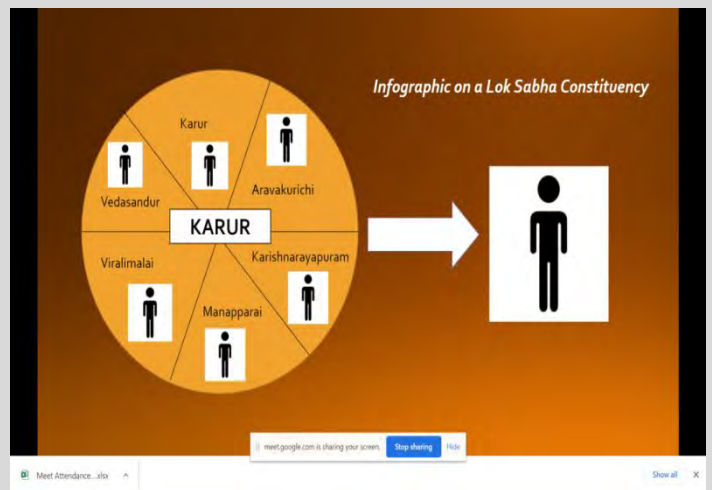


# DELVING INTO THE ITHIHASAS



The webinar by Mr. Siddharth on Bhagavat Gita, Gita Dyanam, popular versus of Gita was connected to real life.

# LINKING LEARNING



Grade IX students reflected and connected their learning on elections from Utsav sessions in their political science Class.

# GLOBAL CITIZENSHIP GRADE XI

The collage consists of four screenshots from a Google Meet session titled "gc-meeting-grade-xi-1-2".

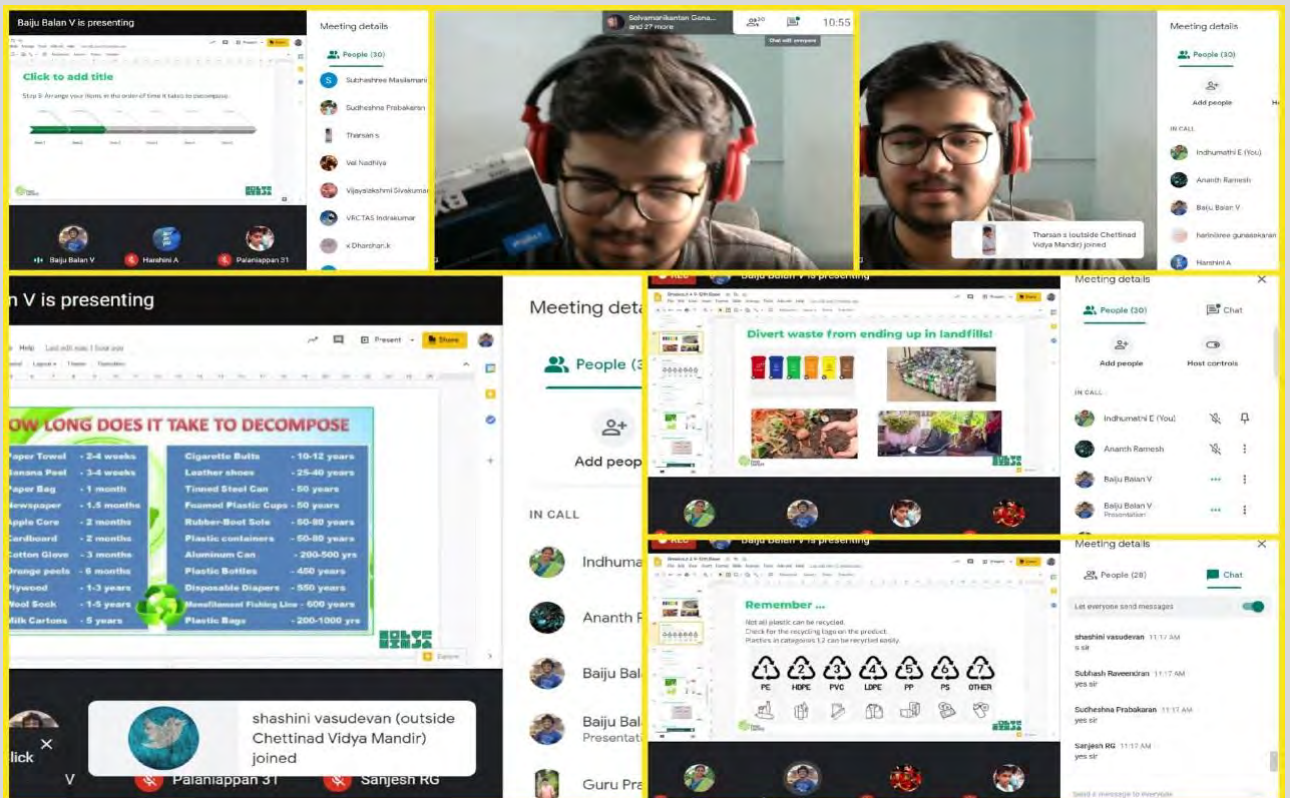
- Top Left:** A presentation slide titled "Social Distancing in a Kirana ration shop. Creativity at different levels!!". It features a photo of a woman in a shop and text stating: "People are using social media to share best practices from around the country!".
- Top Right:** A presentation slide titled "★ Lets Recap DISS Process". It includes the text "Fastest Fingers First" and "Same Rules" with two rules: "1. Read the statement and respond in the chat box" and "2. Type the answer as fast as possible!!".
- Bottom Left:** A presentation slide titled "About today!". It lists: "★ Your Choice of SDG", "★ Recap", "➤ Demo how to solve problems.", and "➤ What are our next steps?". It also features a cartoon cat character.
- Bottom Right:** A presentation slide titled "Step 2 - Which approach for investigation? what will you understand? (write)". It lists four approaches: "Audits- water, waste and energy (Calculating flow rate, power consumption, waste generated)", "Research", "Surveys - Questionnaires (personal, telephonic, google forms etc)", and "Observation- to find patterns, practices". It also features the cartoon cat character.

Each screenshot shows a chat window on the right with participant names and messages, and a bottom bar with participant avatars and meeting controls.

The discussion on SDG, real time issues and methods to resolve the issues took the students to the next step of action.

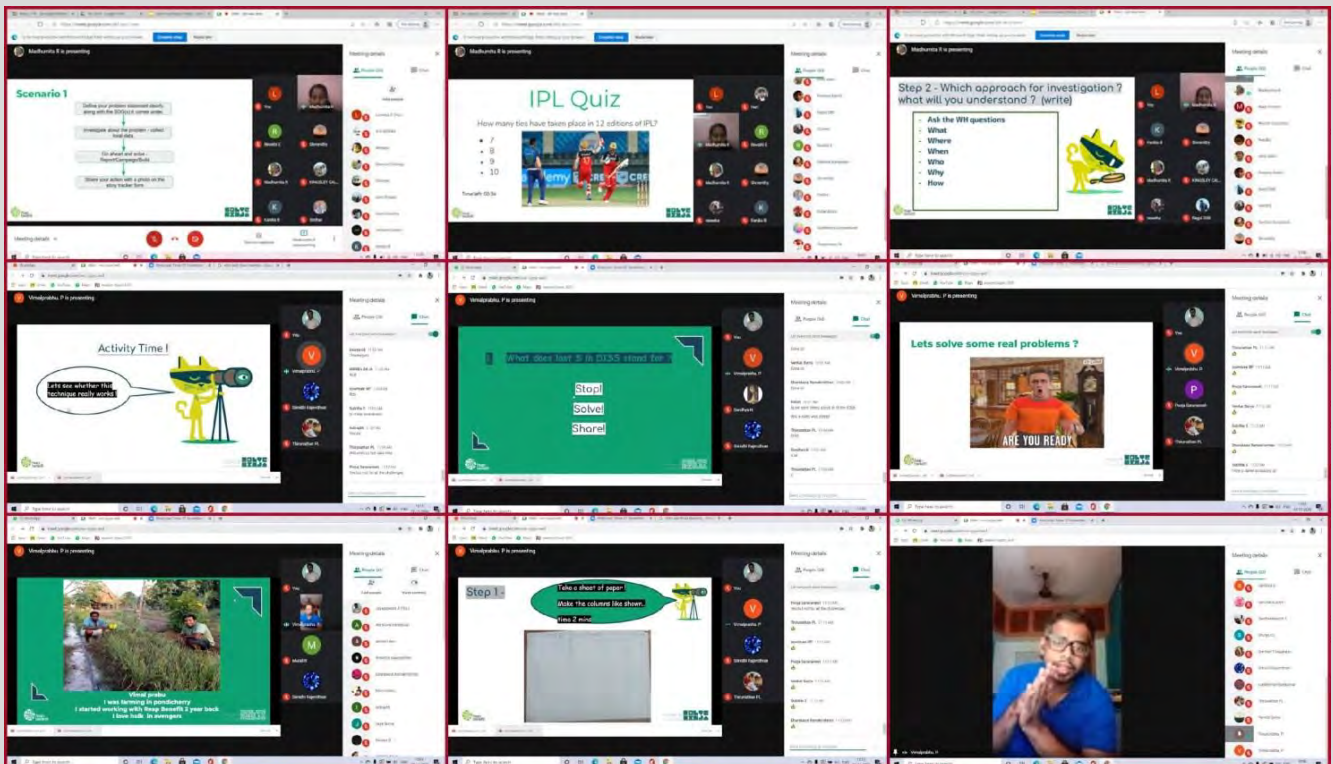


# GLOBAL CITIZENSHIP GRADE XI



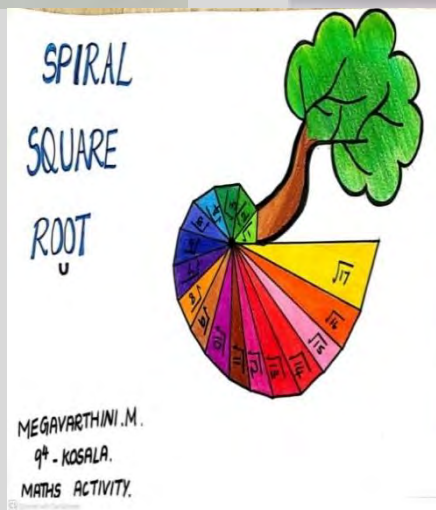
Detailed discussion on recycling, different methods to segregate the wastes, manure from vegetable waste, eco bricks, reuse of plastic bottles and old shoes helped the XI graders to reflect on the ways to contribute.

# GLOBAL CITIZENSHIP GRADE XII



Global Citizenship classes involved grade XII students in DISS technique to solve a problem. Students completed the Solve Ninja Challenges.

# BIOMIMICRY THE SPIRAL OF THEODORUS VISUAL REPRESENTATION OF NUMBERS



Application of concepts learnt is the essential of any learning. Our children implemented the square root spiral in their own creative way by relating to real life.



# PHYSICS

Potentiometer - Comparison of EMF - MeitY OLabs

No	Ammeter Reading (mA)	Balancing length when		$\frac{E_1}{E_2} = \frac{l_1}{l_2}$
		E1 in the circuit I1 (m)	E2 in the circuit I2 (m)	
1	40	7.11	9.87	0.7203
2	42	6.77	9.39	0.7209
3	44	6.48	8.97	0.7202
4	46	6.18	8.58	0.7203
5	48	5.92	8.22	0.7202
6	50	5.55		

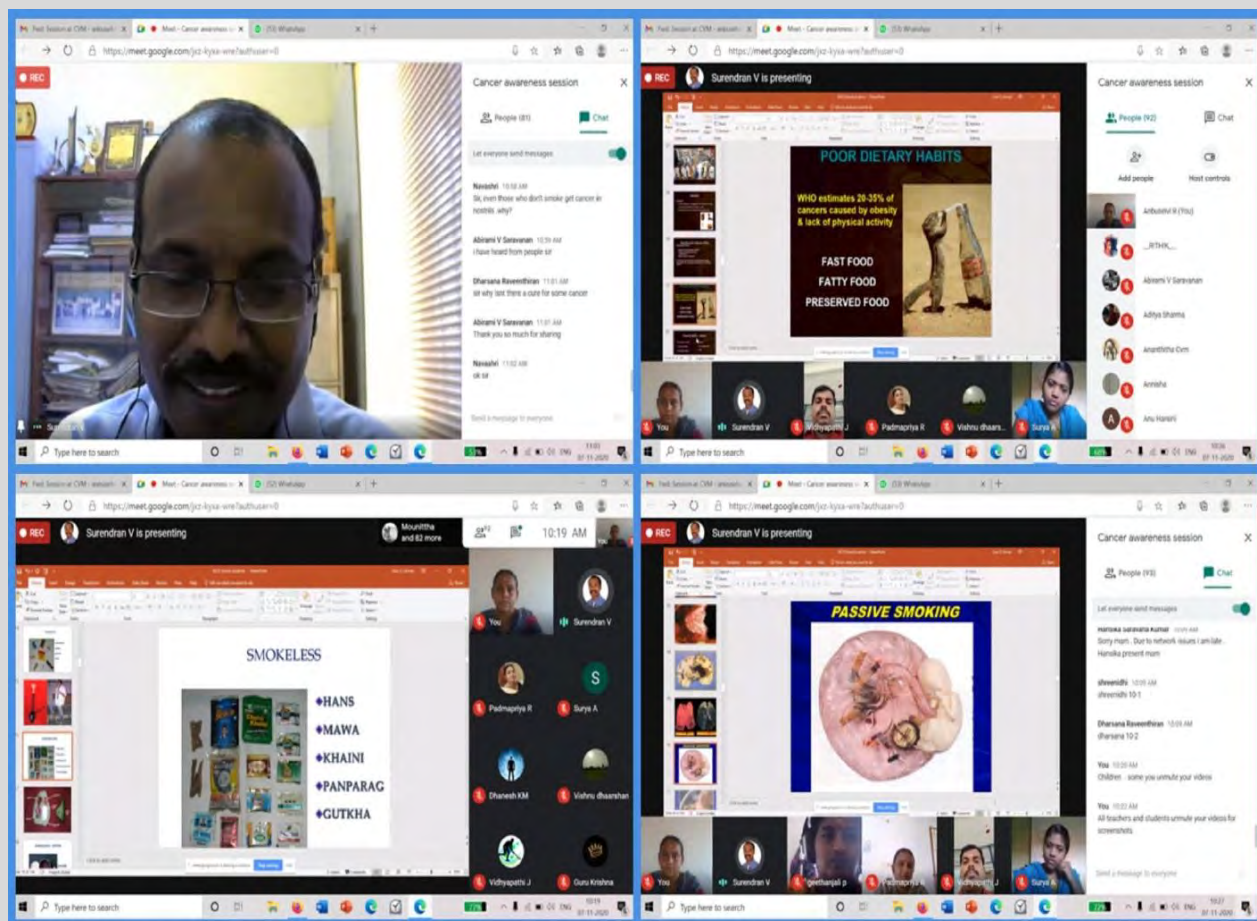
Record the values in the tabular column repeat the experiment for different values of ammeter

Rheostat

To do the experiment, we require the following materials: ammeter, one-way key, rheostat,

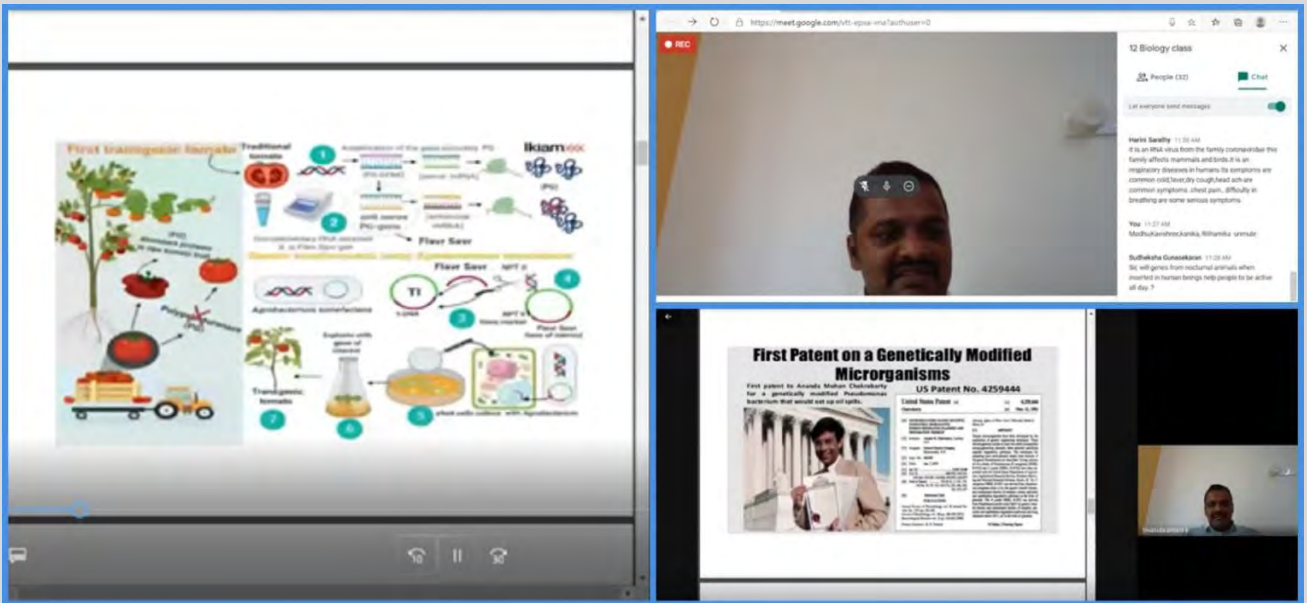
Simulation of Potentiometer - Comparison of EMFs done by grade XII students in the class using OLABs.

# BIOLOGY - GRADE XI



Dr. Surendran, Head of department of psychooncology and of tobacco research at cancer center, Adyar, Chennai gave a guest lecture on the causes, consequences and the ways to prevent cancer to grade XI Biology students.

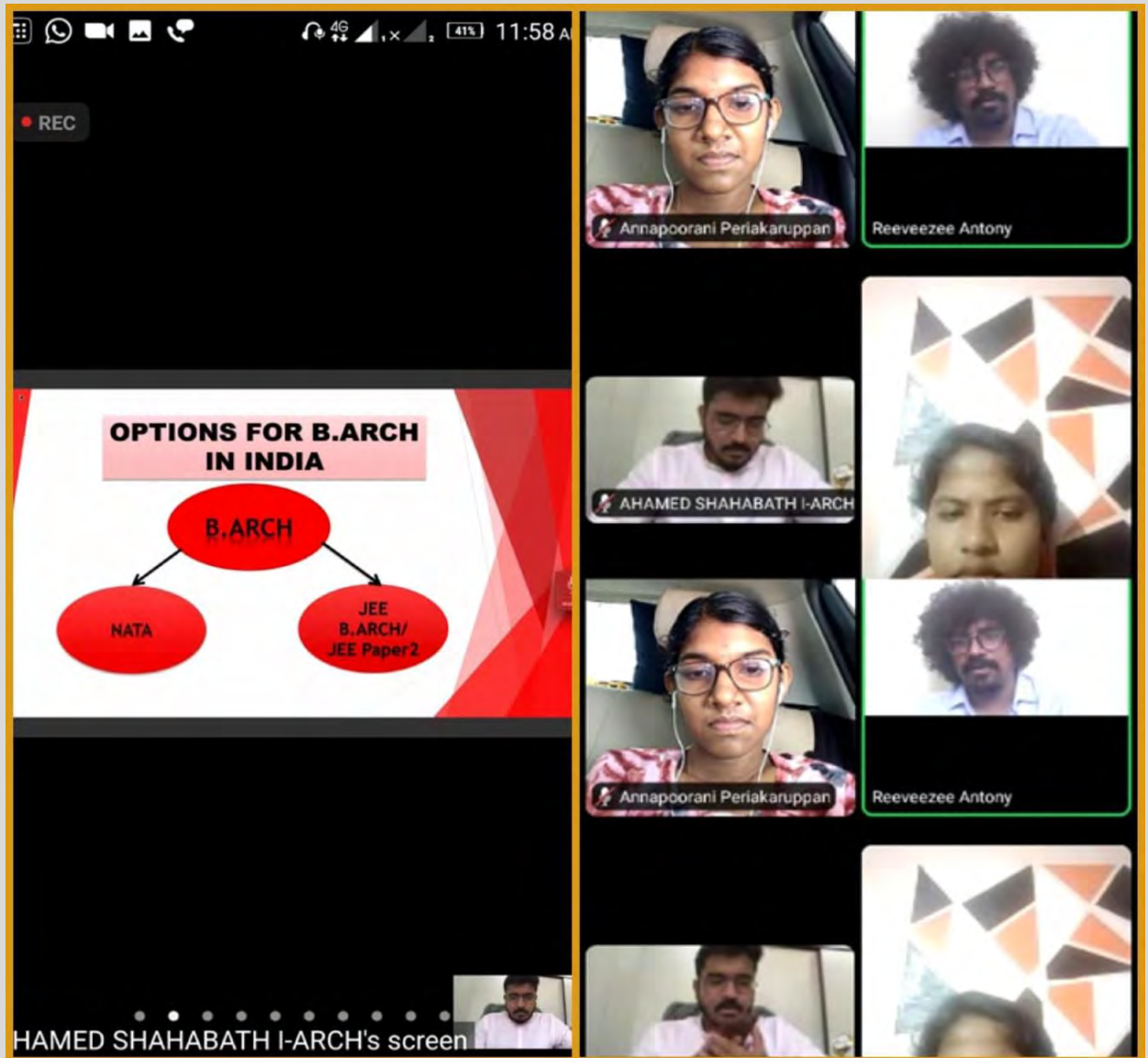
# BIOLOGY - GRADE XII



Mr.Sivasubramani, Assistant professor of Microbiology in Annamalai University gave a guest lecture on Biotechnology - its scope and current research to grade XII Biology students.



# CAREER GUIDANCE-iARCH



Grade XI and XII students attended a webinar on 'Career Opportunities in the field of Architecture' on 01.11.20, organised by iArch institute, Coimbatore.

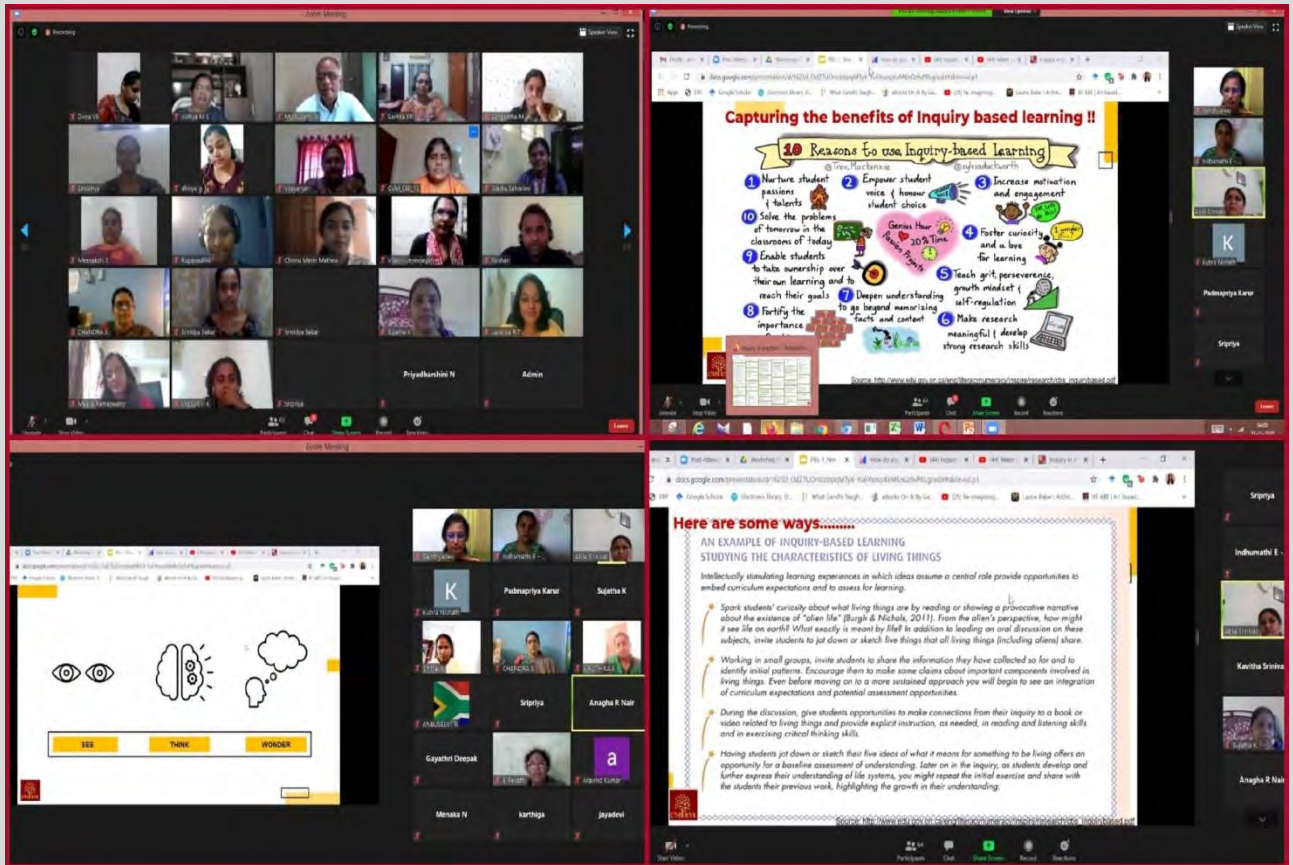
# THE POWER OF LANGUAGE PROCESSING, SCIENTIFICALLY SPEAKING

The screenshot shows a webinar interface with three participants in a video call on the left. The main content area is divided into four panels:

- Levels of Language:** A hierarchical diagram showing the components of language processing. It is divided into 'Text' (Orthography: flies, knee; Speech: Phonetics, Phonology; Morphology: Forms and words) and 'Syntax' (Clauses and sentences, Semantics: Meanings of various kinds, Pragmatics: Language use, Discourse).
- Machine Learning Approach:** A flowchart showing the process from 'Raw Text' to 'Automatic Annotated'. It involves 'Manually Annotated Training Corpora', 'Machine Learning', and an 'NLP System'.
- Applications:** A list of NLP applications including Search, Language Translation, Chatbots, Question Answering, Text Summarization, Sentiment Analysis, Topic Extraction, Named Entity Recognition, Relation Extraction, and Social Media Monitoring.
- Deep Learning in NLP:** A diagram of a neural network architecture for NLP. It shows 'Documents' being processed into 'Dense embeddings' (obtained via word2vec, GloVe, etc.), which pass through 'Hidden layers' to 'Output units' for tasks like Sentiment, Topic Modeling, etc.

Grade XI and XII students attended the webinar on 'The power of language processing, Scientifically Speaking'. Prof. Sudeshna Sarkar from IIT Kharagpur explained about the NLP (Natural Language Processing) and its applications in different fields of computing.

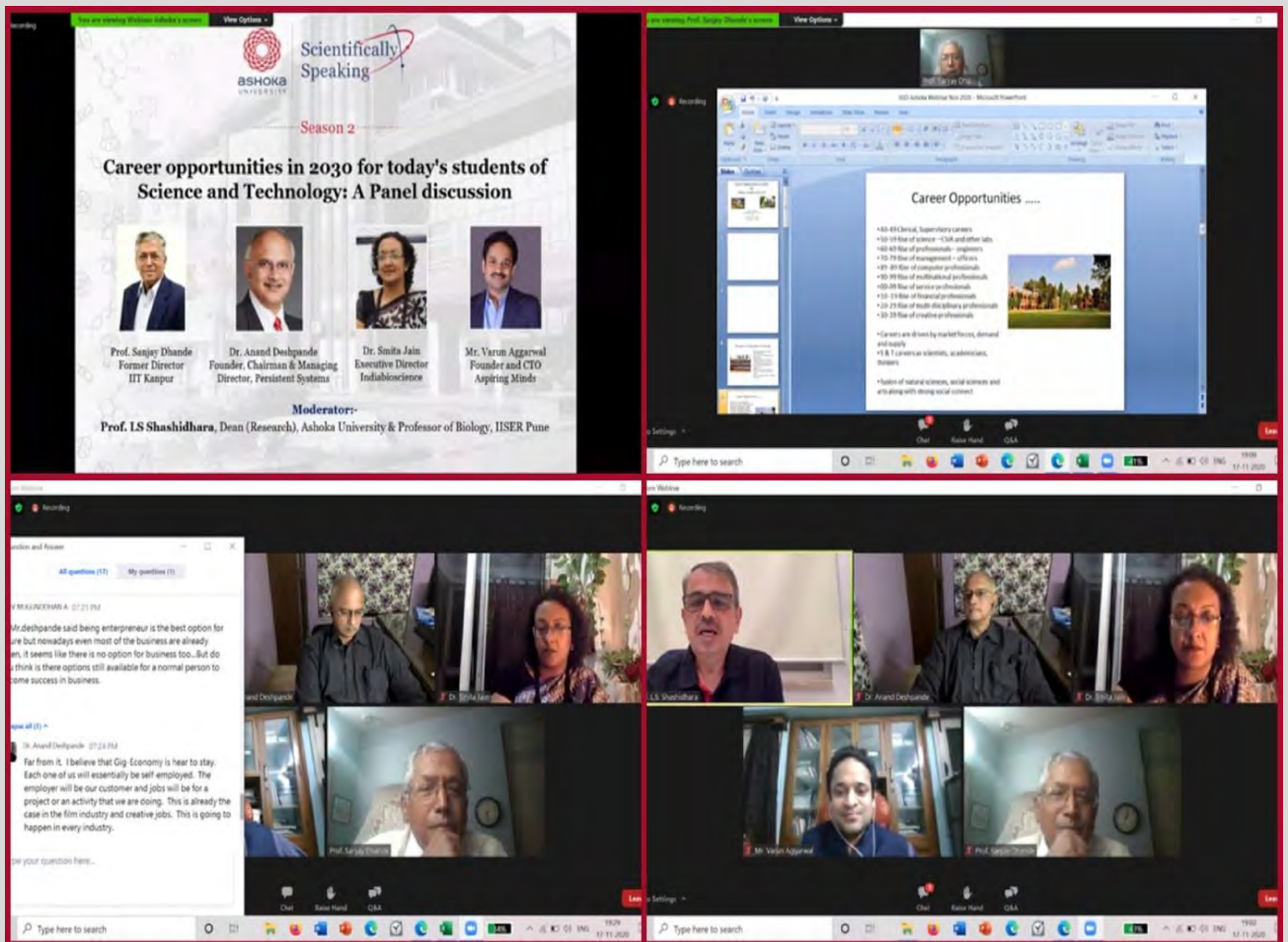
# TRAINING THE TRAINERS



Our school teachers participated in the workshop on Inquiry Based Learning and Project Based learning by Dr. Gayathri from Chennai.



# EXPLORATION ON CAREERS



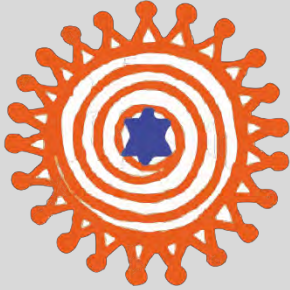
Grade XI and XII students attended a panel discussion organised by Ashoka university to know about various career opportunities in Science and technology.

# PERSONAL DIGITAL ARCHIVES: STUDYING THE PAST IN THE FUTURE

The image displays three screenshots from a presentation, likely a video recording of a session. Each screenshot features a small video feed of a speaker in the top left corner and the 'Scientifically Speaking' logo in the top right corner.

- Left Screenshot:** Titled 'Formats drift', it shows two software boxes labeled 'Verbatim DataLife' by Minidisk. Below the boxes, the text reads 'Technology watch to maintain and upgrade formats'.
- Middle Screenshot:** Titled 'Other possible uses of archives', it lists several bullet points:
  - Deep personalization can improve current applications
    - Browsing
    - Web Search
    - Memory tests
    - Games
  - Without companies and governments snooping on us
  - Many research opportunities
- Right Screenshot:** Titled 'Appraisal: Getting the data', it lists several bullet points:
  - Estimate what is where
  - Which accounts/services/sources?
  - Create an initial catalog of your assets
  - Estimate cost/size and value of the asset
  - One "accession" is not enough... have to periodically ingest new data into the archive

Ms. S. Jayadevi attended session on **"Personal Digital Archives: Studying the Past in the Future"** organised by Ashoka University on 08.09.20.



# Chettinad Vidya Mandir

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Website: [www.chettinadvidyamandir.org](http://www.chettinadvidyamandir.org)