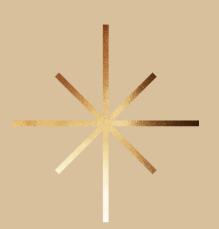


National ICT Awardee 2016 Assistant Science Teacher, GHS Karkihalli Tq:Dist:Koppal Karnataka





MY EDUCATION



In Biological and Physical Sciences 1998

M.SC.

Botany (Medicinal pants as Specialization) 1997

M. PHILL.

in Botany 2008

Experience in teaching - 20+ years

Assistant Science Teachers job:

State syllabus, from academic year 1999 - 2001

Biology Teacher in a National level school:.

affi. to CBSE Board, From 01.07.2001 to 30.06.2002 Lecturer in Biology: Part-time Biology lecturer.

17th July 2005 till 30 June 2008 Assistant science teacher in Govt. High School, Karkihalli, Tq:D: Koppal

From 1st July 2008 till date



https://www.youtube.com/watch?v=UZkCoU-Tso

MY JOURNEY



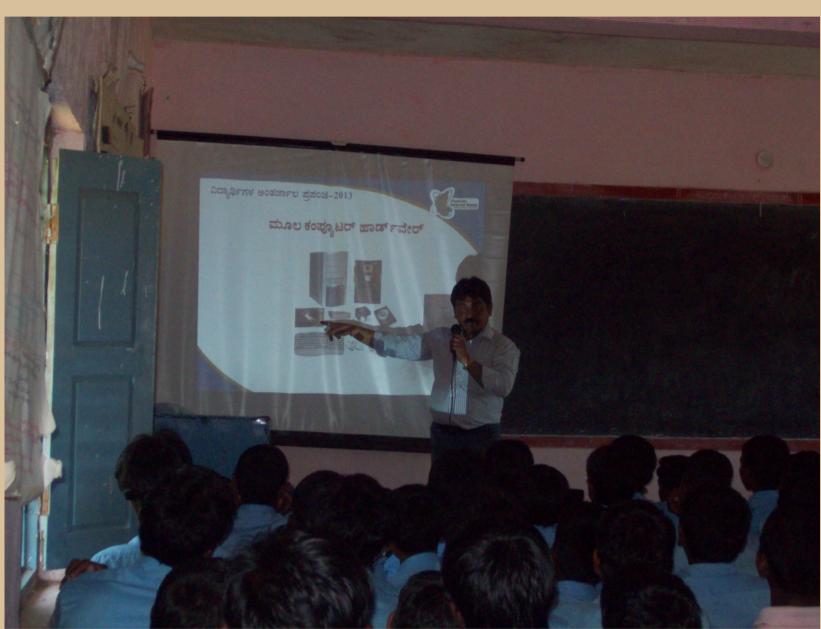
BEFORE MY
NATIONAL
ICT AWARD

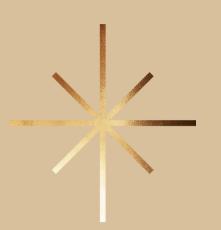


AFTER MY
NATIONAL
ICT AWARD

Teaching basics of computers and internet on account of "children internet world program-2013"







Subject Teachers Forum (STF)

Edubuntu

In 2013 the introduction of Edubuntu (public software) in my life is simply a beginning of a new dawn in improving the teaching competencies in giving the best to our children in the classrooms.

Master and State Resource Person

As a Master resource person and later State resource personfor STF, I have really learned more than I have taught.

Finally the most important aspect of STF to bring together all the teachers on a digital platform through E-Mailing was not less than an experience of personally meeting every teacher.

OPEN SOURCE TOOLS

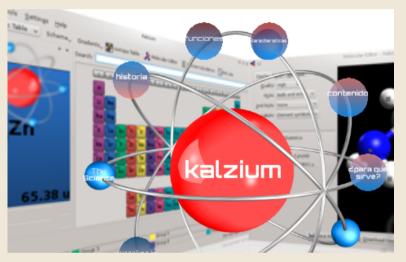
During the trainings of STF, as SRP and MRP, I got a very unique opportunity to explore the best computer aided educational tools;



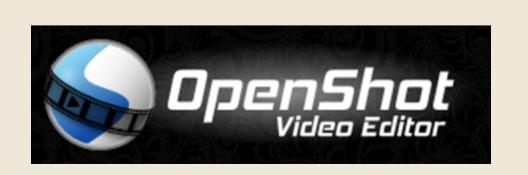


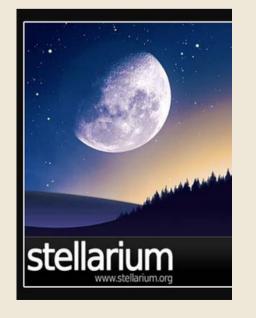
























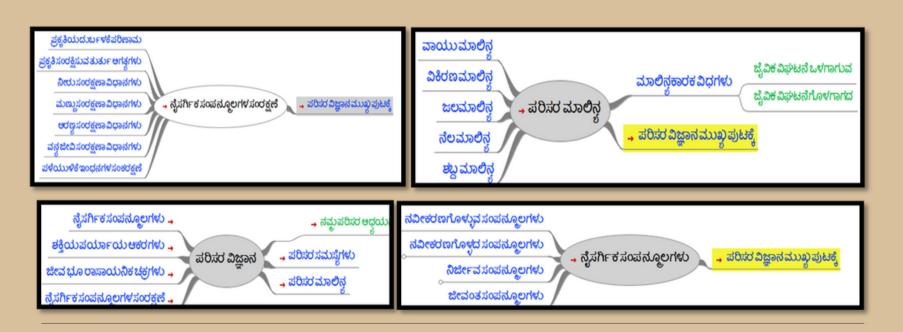
MRP presenting PhET simulation

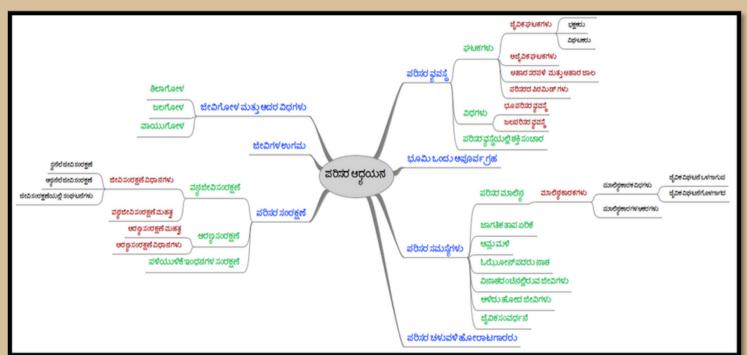




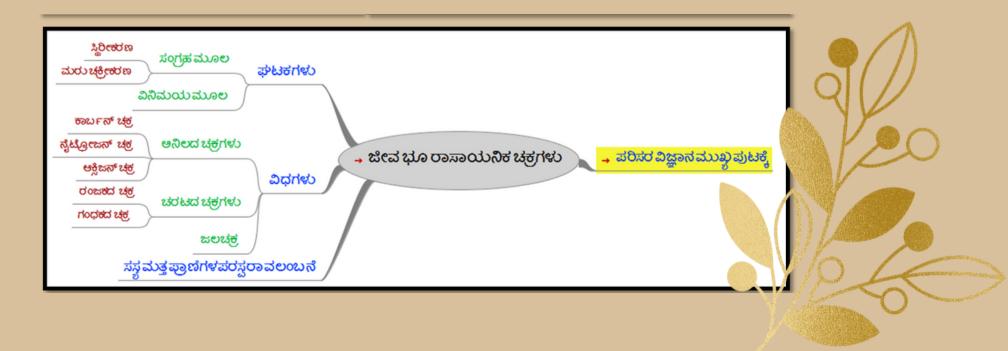
KOER (Karnataka Open Educational Resources)

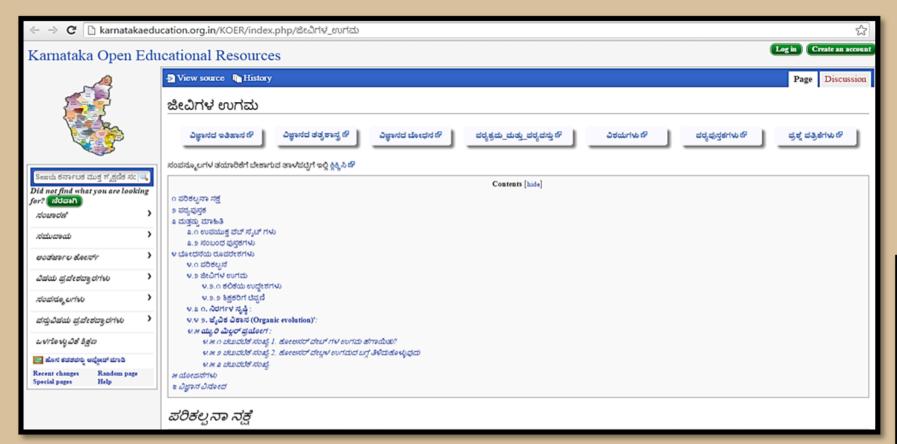
Digital resource Creation for 9th standard science for KOER (Karnataka Open Educational Resources) http://karnatakaeducation.org.in/KOER/index.php/ಮುಖ್ಯ ಪುಟ







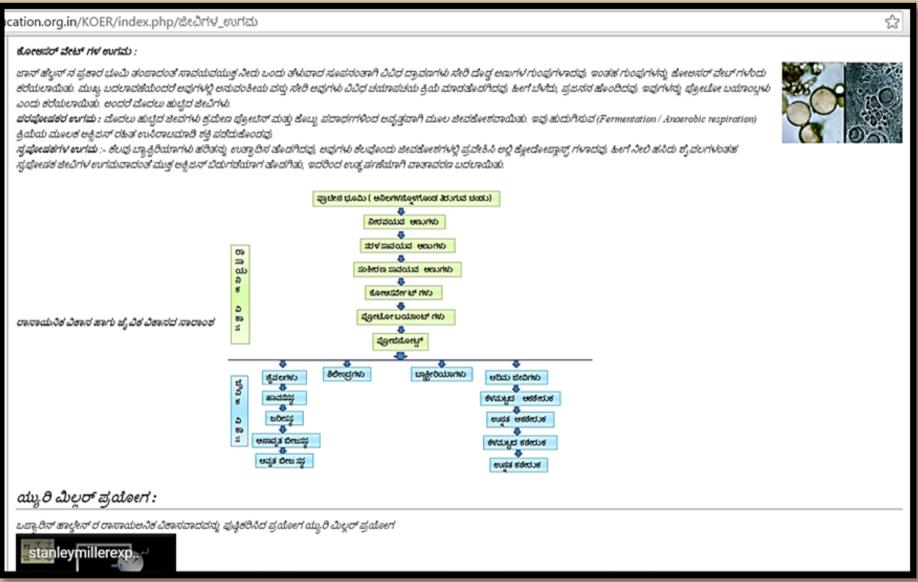




http://karnatakaeducation.org.in/KOER/index.php/ಜೀವಿಗಳ_ಉಗಮ http://karnatakaeducation.org.in/KOER/index.php/ಪರಿಸರದ_ಸಮಸ್ಯೆಗಳು http://karnatakaeducation.org.in/KOER/index.php/ಜೀವವಿಕಾಸದ_ಸಿದ್ದಾಂತಗಳು

Digital resource Creation for 9th standard science for KOER (Karnataka Open Educational Resources)

<u>http://karnatakaeducation.org.in/KOER/index.php/</u> <u>ಮುಖ್ಯ ಪುಟ</u>



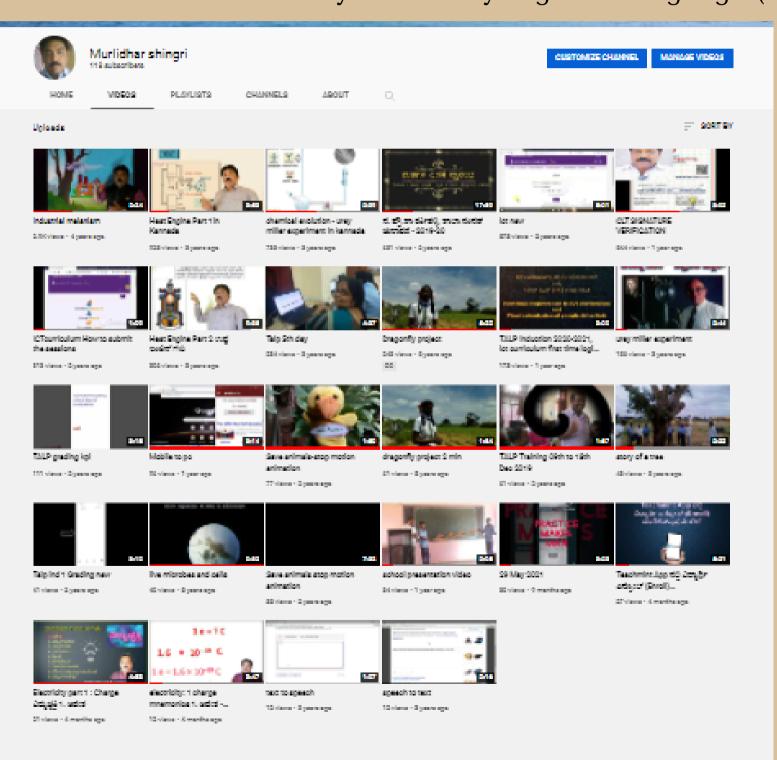
I created my first video on Urey- miller experiment and uploaded it on KOER: While working on this video I realized many parameters of the educational process.

Most of the videos are in English and student's studying in their regional languages find it difficult to understand, hence teacher made videos and resources play important role.

It gives immense pleasure to say that I could add web pages and create videos of my own in my regional language (Kannada) and,

have even taught it to many teachers.









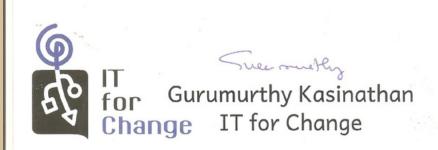
Date: June 2012

Certificate of Recognition for work in the Subject Teacher Forum

Awarded to: Muralidhar Shingri

Muralidhar has taken immense interest and initiative in the Subject Teacher Forum. He participated enthusiastically in the MRP training and is very committed to sharing his knowledge with other teachers.

Muralidhar has taken a high level of ownership of the Koppal district cascade programme and also encourages other teachers to participate in the forum, despite the infrastructure challenges in the region. We wish him continued success in all his efforts and look forward to his participation.





Google groups help 22k govt school teachers to learn, share, innovate

Bengaluru: A science teacher in a remote Koppal village uses a software to impart astronomy lessons, sometimes even under the night sky. A maths teacher in Nelamangala taluk has devised methods to make complicated concepts fun. Google groups are transforming the learning experience of both educators and students in Karnataka.

The Subject Teacher Forum (STF) comprises Google groups for mathematics, science, social science, English. Hindi and Kannada high school teachers. Of the 37,000 government school teachers in the state, 22,000 are part of it.

When STF was initiated in 2011, its objective was threefold, said Gurumurthy Kasinathan, director, IT for Change (ITfC) a not-for-profit training teachers to tap information technology. "Not only

TAPPING TECHNOLOGY

did we want to connect teachers via email and enable them to help one another but also train them to use various software applications to understand and teach their subjects better. These tools could then be used to create teaching materials," said Kasinathan, visiting faculty at Tata Institute of Social Sciences.

It began with workshops to train teachers in technology. A Google group was formed to connect the trainers and the teachers to continue the learning process and clarify doubts. The 22,000 teachers are now using free and opensource software such as Stellarium, Geogebra, Marble and Phet to comprehend top- ka, Telangana and Assam have ics and break them down to students

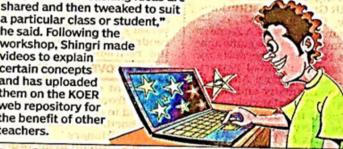
What the initiative has also led to is the Karnataka Open Education Resources (KOER), said to be the only online repository of study materials prepared by and for teachers, available in Kannada and En- its experiences, best practices glish. The STF-KOER programme was lauded as the best practice at a national confer-

STARGAZING ON A LAPTOP

Muralidhar Shingri, science teacher in Karkihalli government school in Koppal district, uses Stellarium to teach astronomy. His classes sometimes include a night out during which students identify stars. "If I am unable to locate a particular star, I can always count on the software. It converts my laptop into a planetarium," he said.

Considering that resource crunch is a major problem dogging government schools, STF is especially relevant, he said. "Earlier, the community of teachers we were in touch with was miniscule. Now, it is 22,000 and growing. Academic resources and teaching ideas are

a particular class or student," he said. Following the workshop, Shingri made videos to explain certain concepts and has uploaded them on the KOER web repository for the benefit of other



Professional and personal growth

Aweek after her STF Atraining in 2011, Suchetha SS, a high school mathematics teacher at Thyamagondlu government PU College, Nelamangala. Bengaluru Rural district, bought her first laptop. "Earlier, I was dissatisfied with my teaching methods. I was unable to make the class interactive. Handling a large batch of students was tough. especially in the case of an often-dreaded subject like mathematics. But with STF, I am able to do both," she said.

and algebra, to explain concepts. "It helped me grow professionally. Once I was clear about the topics, I was able to pass on the knowledge. As my class became more receptive, my confidence grew. I began to make my own material using the software and shared it with the community," she said. STF has helped teachers like Suchetha understand the importance of Information and Communication Technology (ICT) in education. "A whole new world has opened up before us," she said.

ence for seconday school education quality in March.

which combines geometry

Suchetha used Geogebra,

Taking a cue from Karnatabegun a similar programme, while Andhra Pradesh and Tamil Nadu are mulling its implementation. "Earlier, a good teacher was restricted to the school he or she was teaching in. With the help of STF, the teacher community can share and teaching tools," Kasinathan pointed out.

The use of software tools

means teachers have moved ahead from explaining the 'what' of a concept to encouraging students to look at the 'why'. This has not only made classes more interesting but also taken the focus away from rote learning, he added.

The project is funded by the Centre and implemented through the Rashtriya Madhyamik Shiksha Abhiyaan, Karnataka (RMSA), department of state educational research and training, KarnataAn article in Times of India newspaper, dated 27th May 2016 about KOER and STF revolution in Karnataka, and my bit of work in it.

STARGAZING ON A LAPTOP

Muralidhar Shingri, science teacher in Karkihalli government -school in Koppal district, uses Stellarium to teach astronomy. His classes sometimes include a night out during which students identify stars. "If I am unable to locate a particular star, I can always count on the software. It converts my laptop into a planetarium," he said. Comments businessman

Considering that resource crunch is a major problem dogging government schools, STF is especially relevant, he said. "Earlier, the community of teachers we were in touch with was miniscule. Now, it is 22,000 and growing. Academic resources and teaching ideas are

shared and then tweaked to suit a particular class or student," he said. Following the workshop, Shingri made videos to explain certain concepts and has uploaded

them on the KOER web repository for the benefit of other teachers.



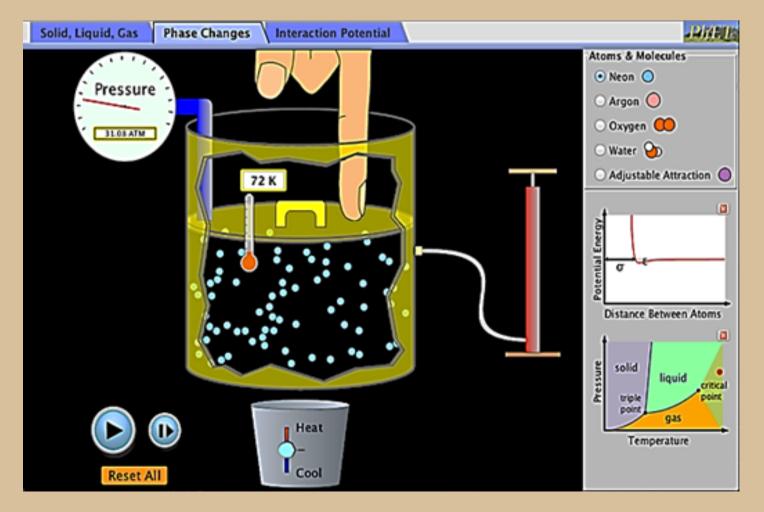
Efforts towards Integration of ICTs in Education

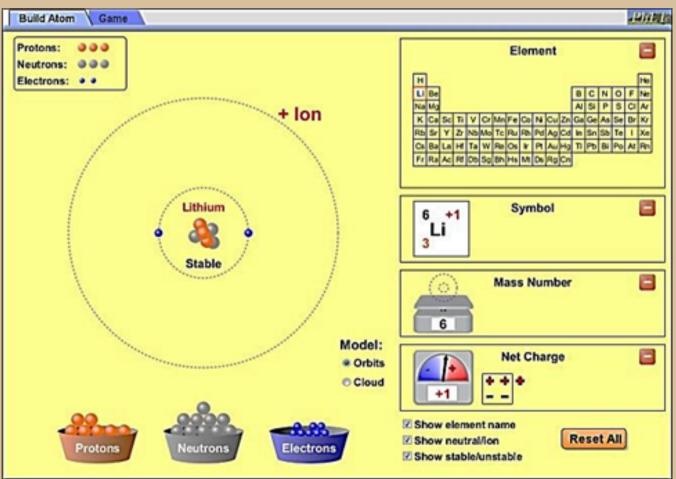
During past few years I have tried to achieve which I really aimed at when I wanted to become a teacher.

And I always had one statement ringing,

"AM I TO MY STUDENTS WHAT THE BEST TEACHER WAS TO ME".

With the advent of using tools and infrastructure in education, like using Computers, Laptops, Digital Cameras, LCD Projectors, Mobile Phones and Internet, Teaching has become more fun filled.





inspire 2015

5th National Level Exhibition & Project Competition
December 06-07, 2015, IIT Delhi







STUDENTS AS RESEARCHERS ICT FOR DATA ANALYGIG AND REPREGENTATION

Every year a research project.





	ಕೀಟನಾ <i>ಶ</i> ಕಗ	ಳ ಅಯ್ಕೆ ವಿಷದ	ಪ್ರಮಾಣ ಮತ್ತು	ಎಚ್ಚರಿಕೆ ತಿಳುವಳಿಕೆ
ಕ್ರಸ	ಮಿಗಡಣಾ ಪುಗಡ	ಕೆಳ ತ್ರಿಕೋನದ ಬಣ್ಣ	ಎಚ್ಚರಿಕೆ ಸೂಚನೆ	ಎಚ್ಚರಿಕೆ ತಿಳುವಳಿಕೆ
1	ಭಾರಿ ವಿಷಕಾರಿ	ಕೆಂಪು	ತಲೆಬುರುಡೆ, ಆಡ್ಡ ಮೂಳೆ "ವಿಷ"	ಮಕ್ಕಳಿಂದ ದೂರವಿರಿಸಿ ಸೇವಿಸಿದಲ್ಲಿ ವೈದ್ವರಿಗೆ ತೋರಿಸಿ
2	ತುಂಬಾ ವಿಷಕಾರಿ	ක් ^ද ධ්	. 28	ಮಕ್ಕಳಿಂದ ದೂರವಿಡಿ
3	ಸಾಧಾರಣ ವಿಷಕಾರಿ	₽	ಆಪಾಯ	ಮಕ್ಕಳಿಂದ ದೂರವಿಡಿ
4	ಅಲ್ಪ ವಿಷಕಾರಿ	ಹಸಿರು	ಎಚ್ಚರ	ಮಕ್ಕಳಿಂದ ದೂರವಿಡಿ

Dragon Fly as Indicator of rain							
ದಿನ	ಸ್ತ್ರಖ್ಯೆ	ಎತ್ತರ	ಮಳೆಯ ಮ್ಲಾಹಿತ್ತಿ				
Day	No. of D.Flies	Height D.Flies flew	Information about rain				
Sept-16	30	6 feet	Х	ಮಳೆ ಬರ್ಝವಿದಿಲ್ಲ			
Sept-22	38	8 feet	Х	ಮಳೆ ಬರ್ಧುವಿದಿಲ್ಲ			
Sept-26	50	3 feet	0	ಮಳೆ ಬ <u>ಂದ</u> ದಿನ – Sept-26			
Sept-30	45	3 feet	0	ಮಳೆ ಬ <u>ಂದ</u> ದಿನ – Sept-30			
Oct-04	15	8 feet	X	ಮಳೆ ಬರ್ಧುವಿದಿಲ್ಲ			
Oct-12	20	9 feet	Х	ಮಳೆ ಬ <u>ರ್</u> ಪವಿದಿಲ್ಲ			
Oct-19	40	2 feet	0	ಮಳೆ ಬ <u>ಂದ</u> ದಿನ – Oct-20			
Nov-16	10	9 feet	Х	ಮಳೆ ಬರ್ಧುವಿದಿಲ್ಲ			

- Google quenched the Thirst of Knowledge in students.
- Life Cycle, Habitat, evolutionary aspects, Behavior patterns and varieties of animals and plants.
- Threat to these type of organisms and solution for it
- Different techniques to trap the metadata
- Concept Maps and Mind Maps helped to construct the whole concept.









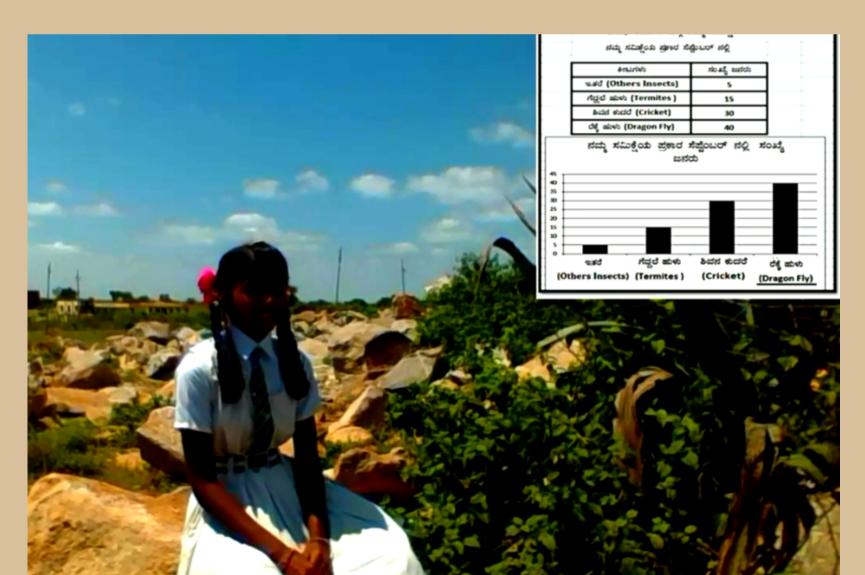
Some of the Best Research works of students:

- * Dragon fly as indicator of rain.
- * E-SAP Electronic Solutions for Agricultural Pests.
- * HydroGels in Agriculture.
- * Bunny plant a boon to soil.

Research works of students:









Video submitted to Breakthrough juniors challenge contest for young scientists

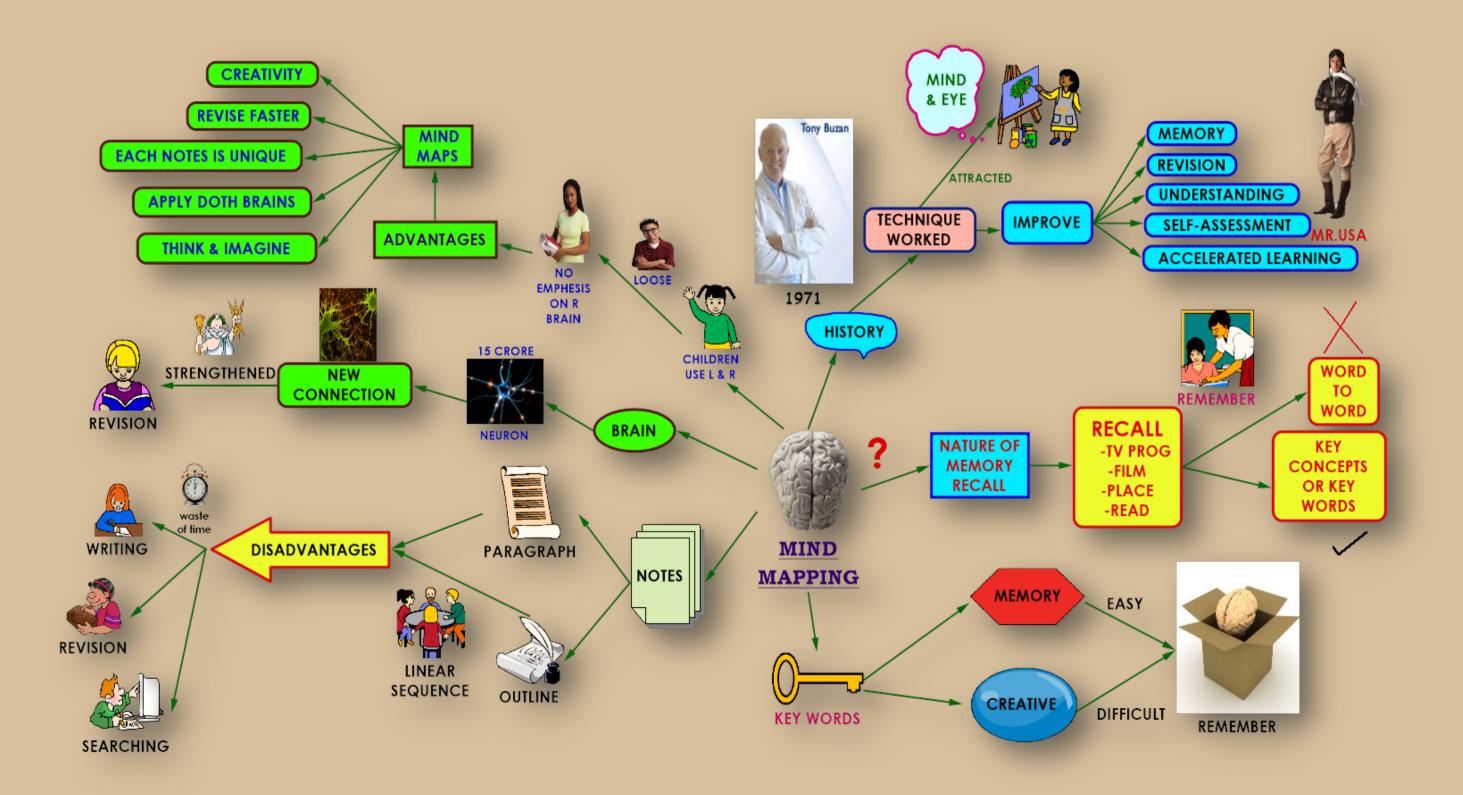


https://www.youtube.com/watch?v=nscU5osbSHU

Mapping our mind for better teaching and learning

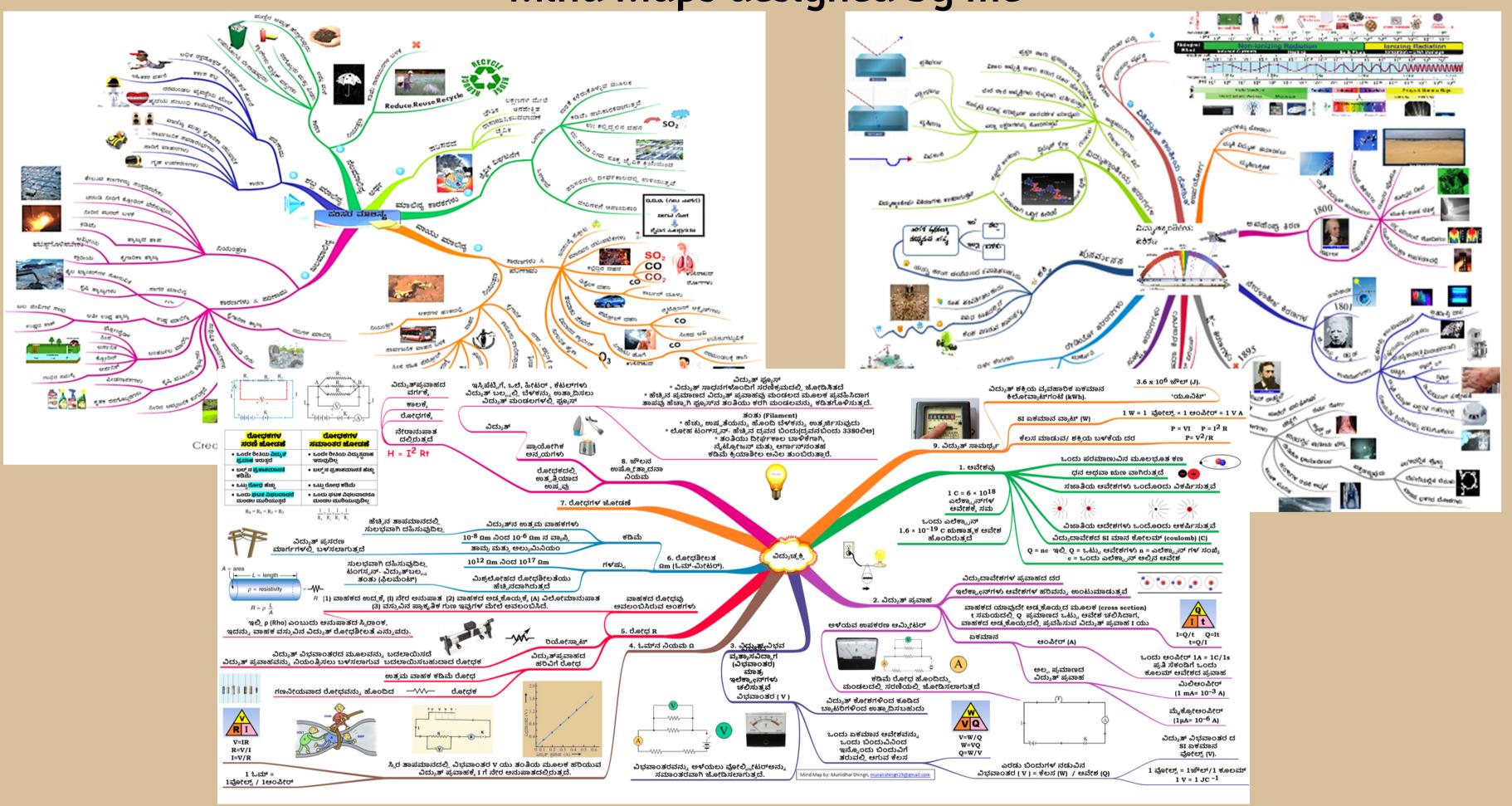
Using Mind Mapping experiences will help us figure out how to make learning come alive for our school students

Mind maps after collaborating with Computers are making wonders



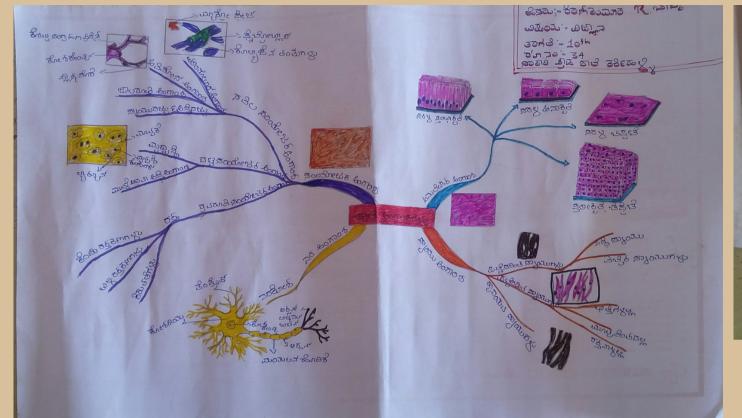
My first mind map in collaboration with ICT

Mind Maps designed by me



Mind Maps designed by my students

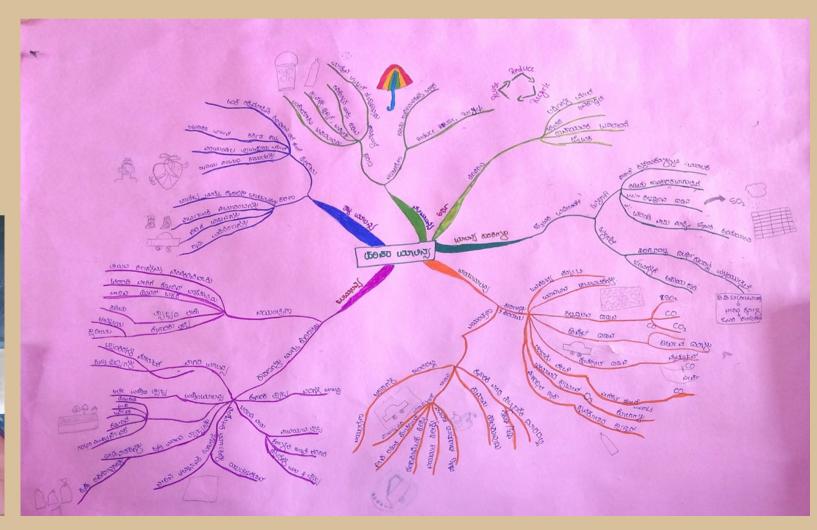




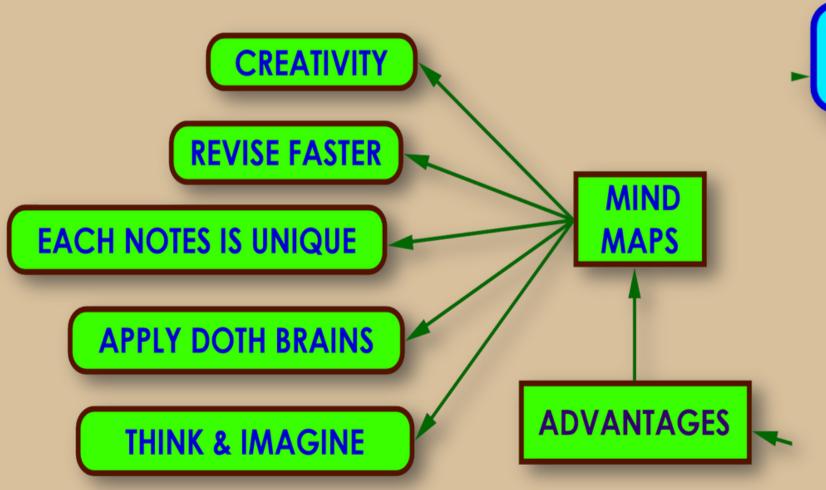


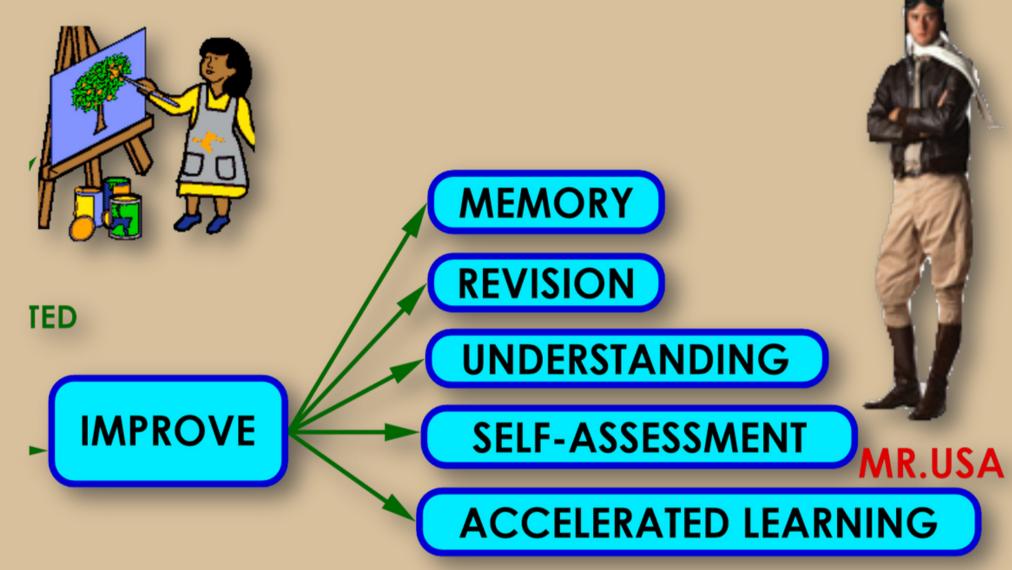






Mind map in collaboration with ICT and mnemonics and other teaching stretagies can do wonders





National ICT Awardee Teacher-2016

Awarded by Shri M. Venkaiah Naidu, Honourable Vice President of India, at Vijyan bhavan, NewDelhi on 05th of sept. 2017







Prof. Hrushikesh Senapaty, Director, NCERT, Dr.Amarendra Behra, Joint Director, NCERT, New Delhi, Giving away the ICT Awardee Gift package at CIET,Newdelhi. 07-09-2017

Shri Ram Nath Kovind ji, Honourable Vice President of India. with awardees, in Ashok Hall at Rashtrapati bhavan





ICT Awardee Gift package, medal and certificate











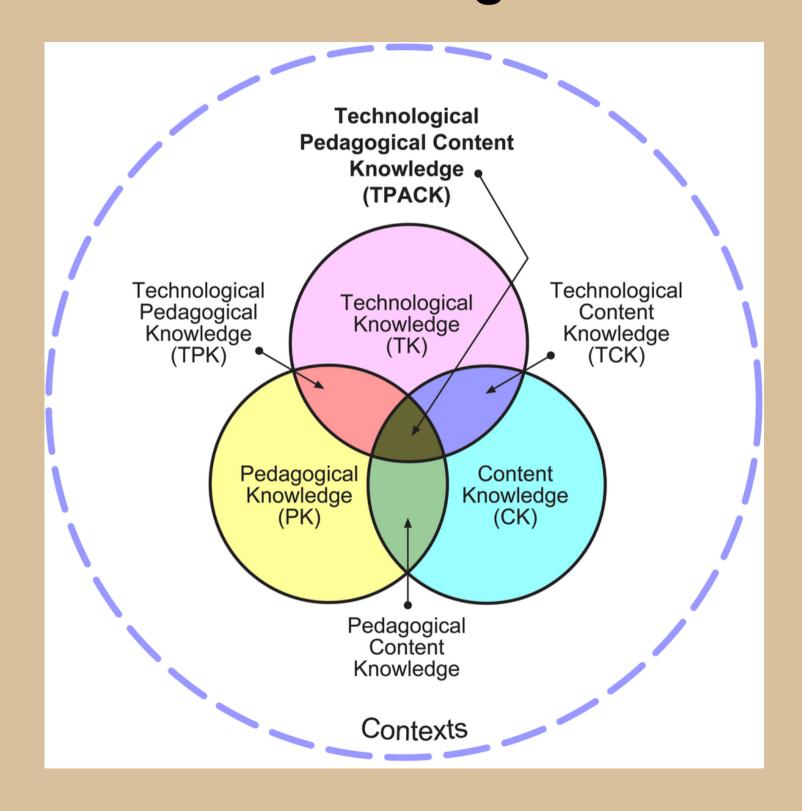
ICT Training program for National ICT awardees of Southern and Eastern region for building the capacity of ICT Awardees as mentors at National level on the ICT pedagogy integration at national level

RIE, Mysore from 28th December, 2017 to 6th January, 2018.



TPACK: Technological Pedagogical Content Knowledge Framework

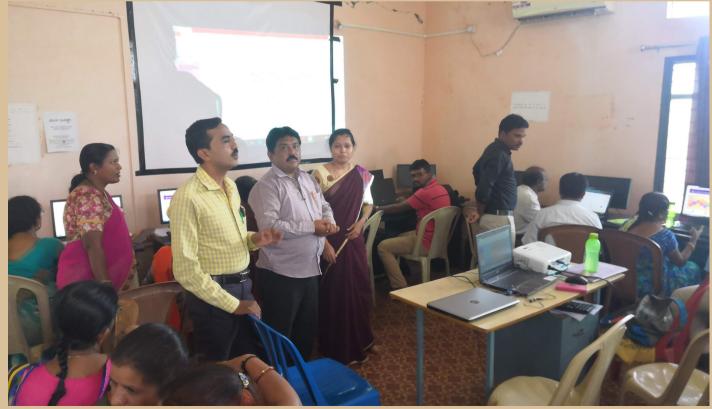
TPACK framework, which focuses on Technological Knowledge (TK), Pedagogical Knowledge (PK), and Content Knowledge (CK),



RIE, Mysore from 28th December, 2017 to 6th January, 2018.

State Resource Person and Master Resource Person for TALP (Technology Assisted Learning Program): Trained and evaluated the work of 100s of teachers through DIET Munirabad, Koppal and DSERT, Banglore and CIET, New Delhi.























This is to certify that

MURLIDHAR SHINGRI

successfully completed the self-learning Online Course on

Understanding Open Educational Resources

offered by the Commonwealth of Learning, Canada Course available at https://learnoer.col.org.



President & Chief Executive Officer Commonwealth of Learning

Aug 19, 2018

INTERNATIONAL JOURNAL OF ADVANCE RESEARCH. **IDEAS AND INNOVATIONS IN TECHNOLOGY CERTIFICATE OF PUBLICATION**

This is to certify that

Murlidhar Shingri

published a paper entitled

Antimicrobial activity of few regional Plants

Volume-5, Issue-3 - May-June, 2019





















provided an introduction to mobile design concepts and development approaches, and outlined the seven principles underpinning the design of an effective mobile application. The concept of the Internet of Things (IOT) was also explained, including the associated benefits and challenges.

accenture

Murlidhar Shingri

DIGITAL SKILLS: MOBILE

ACCENTURE

has completed the following course:

STUDY REQUIREMENT

2 weeks, 2 hours per week

LEARNING OUTCOMES

- Describe what mobility is in the context of
- Describe the growth of mobility and benefits associated with it
- Describe what mobile design is, including concepts such as wireframes
- Identify seven principles of good mobile app design and the importance of effective design
- Describe what the 'Internet of Things' is and some of the benefits associated with it
- Identify security risks related to the 'Internet of

SYLLABUS

Week 1: The rise in mobile technology

- What is mobility?
- The benefits of mobility
- Mobile technology growth
- Wearable technology

Week 2: Mobility in practice

- Mobile design principles
- · Building mobility core development approaches



AVERAGE TEST

• The Internet of Things





Murlidhar Shingri

has completed the following course:

DIGITAL SKILLS: MOBILE **ACCENTURE**

This online course described the importance of mobile in an ever-evolving digital world. It provided an introduction to mobile design, development and creating mobile experiences, as well as bigger concepts related to mobile technology.

2 weeks, 2 hours per week





attached transcript. For more information about Certificates of Achievement and the effort required to become eligible, visit futurelearn.com/proof-of-learning/certificate-of-achie

This learner has not verified their identity. The certificate and transcript do not imply the award of credit or the conferment of a qualification from Accenture.

Karnataka State Eligibility Test Center (KSET) ಕರ್ನಾಟಕ ರಾಜ್ಯ ಅರ್ಹತಾ ಪರೀಕ್ಷಾ ಕೇಂದ್ರ (ಕೆಎಸ್ಇಟಿ)



Moulya Bhavan, University of Mysore, Mysore - 570 006 ಮೌಲ್ಯ ಭವನ, ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ, ಮೈಸೂರು - 570 006 (Accredited by UGC / ಯು.ಜಿ.ಸಿ ಯಿಂದ ಮಾನ್ಯತೆ ಪಡೆದಿದೆ)



STATE ELIGIBILITY TEST (SET) FOR LECTURER / ASSISTANT PROFESSORSHIP 2048 ರಾಜ್ಯ ಉಪನ್ಯಾಸಕರ ಹುದ್ದೆ ಗಳಿಗೆ ಅರ್ಹತಾ ಪರೀಕ್ಷೆ

Mr./Ms MURLIDHAR

Son / Daughter of Smt. SHAKUNTALA C SHINGRI (Mother) and Sri CHANDANASA SHINGRI (Father) has qualified the Karnataka State Eligibility Test (KSET) for Lecturer / Assistant Professorship

held on 11th December 2016

ಇವರು 11ನೇ ಡಿಸೆಂಬರ್, 2016 ರಂದು ಕರ್ನಾಟಕ ರಾಜ್ಯ ಉಪನ್ಯಾಸಕರ ಹುದ್ದೆಗಳಿಗೆ ನಡೆದ ಪರೀಕ್ಷೆಯಲ್ಲಿ (ಕೆಎಸ್ಇಟಿ) ಅರ್ಹತೆ ಪಡೆದಿರುತ್ತಾರೆ

Subject in KSET Life Science ಕೆಸೆಟ್ನಲ್ಲಿ ಪಡೆದ ವಿಷಯ



This Certificate is valid for ever ಈ ಪ್ರಮಾಣ ಪತ್ರವು ಸದಾ ಮಾನ್ಯತೆ ಪಡೆದಿರುತ್ತದೆ



Roll No: F6280234 ನೋ.ಸಂಖ್ಯೆ:

Prof. H. Rajashekar Member Secretary, KSET Center ಸದಸ್ಯ ಕಾರ್ಯದರ್ಶಿ, ಕೆಸೆಟ್ ಕೇಂದ್ರ Date of issue : 03/04/2017 ವಿತರಿಸಿದ ದಿನಾಂಕ :

Prof. Dayanand Mane Chairman, KSET Center

ಅಧ್ಯಕ್ಷರು, ಕೆಸೆಟ್ ಕೇಂದ್ರ

Note / ಸೂಚನೆ

This Certificate comes into effect from the date of issue, the date on which the KSET results have been announced ಈ ಪ್ರವರ್ಷ ಪತ್ರಾ ವಿತರಿಸಿದ ದಿನಾಂಕದಿಂದ ಜಾರಿಗೆ ಬರುತ್ತದೆ. ಇದು ಕೆಗೆಟ್ ಪರೀಕ್ಷೆಯ ಘಲಿತಾಂತ ಪ್ರಕಟಿಸಿದ ದಿನಾಂಕವಾಗಿರುತ್ತದೆ.

ಅಭ್ಯರ್ಥಿಯನ್ನು ನೇಮಕಾತಿ ತಾಧಿಕಾರ / ಸಂಸ್ಥೆಗಳು ನೇಮಕ ಮಾಡುವ ಸಂದರ್ಭದಲ್ಲಿ ಮೂಲ ದಾಖಲೆಗಳನ್ನು ಬಂದೀಲಿಸಬೇಕು. ಅಭ್ಯರ್ಥಗಳು ಸಲ್ಲಿಸದ ಮಾಹಿತಿಗೆ ಕೆಸರ್ ಕೇಂದ್ರವು ಹೊಣೆಯಾಗುವುದಿ



Certificate of Completion

This is to certify that

Ms./ Mr. Muralidhar Shingri, ICT Awardee

has Successfully Completed online course 'Induction-1 ICT in Education - Basic' (120 hours)
of ICT in Education Curriculum Conducted by Central Institute of Educational Technology (CIET),
NCERT, New Delhi

He/she is now a 'Certified Key Resource Person (KRP)' for the course on ICT in Education - Basic (Induction - I)

alehera

Prof. Amarendra Prasad Behera

Joint Director CIET-NCERT Dr. Angel Rathnabai

James

Prof. Indu Kumar Head, DICT & TD CIET - NCERT





This is to certify that

Ms. / Mr. / Dr. / Prof. Muralidhar Shingri, National ICT Awardee, Assistant Teacher

of Government High School, Karkihalli, Taluq, Koppal, Karnataka

has contributed as resource person in the webinar Conducted by the Central Institute of Educational Technology (CIET) - NCERT, New Delhi, during COVID - 19

Title: Creating Digital Story using Olive

Date: August 30, 2020

Prof. Amarendra Prasad Behera

Joint Director CIET - NCERT Dr. Angel Rathnabai

Asstt. Prof. & Programme Coordinator CIET - NCERT Johnson

Prof. Indu Kumar

Head, DICT & TD CIET - NCERT

1st International Conference on Emerging Trends in ICT in Education



conducted virtually by
CIET-NCERT, New Delhi from March 24 - 26, 2021

CERTIFICATE OF PARTICIPATION

This is to certify that

Ms. / Mr. / Dr. / Prof. Murlidhar Shingri, Assistant Science Master

of Government High School, Karkihalli- Tq, Koppal has actively participated

in the conference.

alelbra

Prof. Amarendra P. Behera

Joint Director CIET - NCERT Dr. Angel Rathnabai

Asstt. Prof. & Conference Coordinator CIET - NCERT Dr. Bharti

Head, DICT & TD CIET - NCERT

Interacted with teachers online Universal Teachers Academy. during Covid pandimic





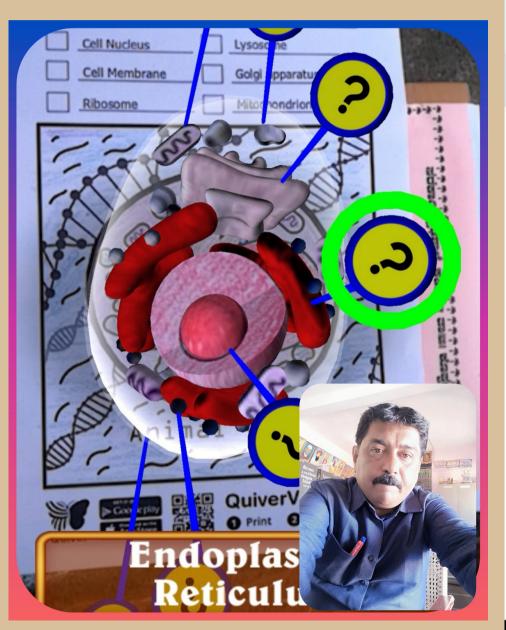
ICT helped our teacher community a lot created videos of difficult lessons

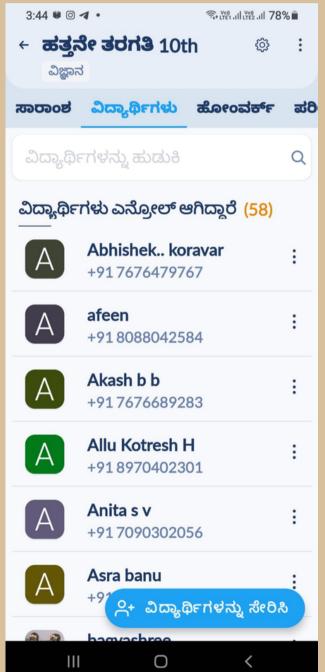


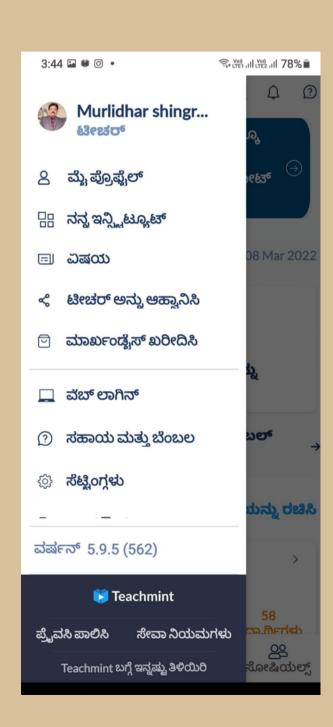
created pictiographs of difficult lessons and shared with the students

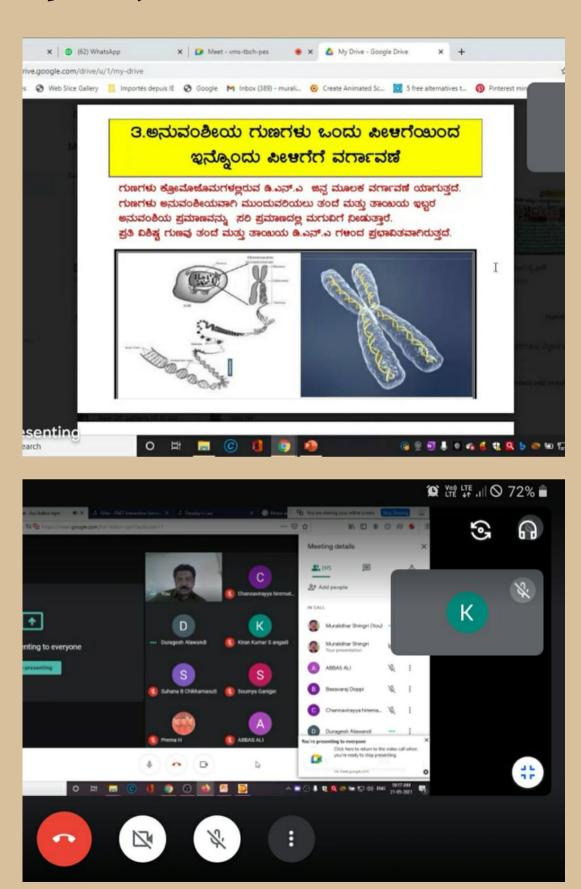


online interaction with children on various platforms

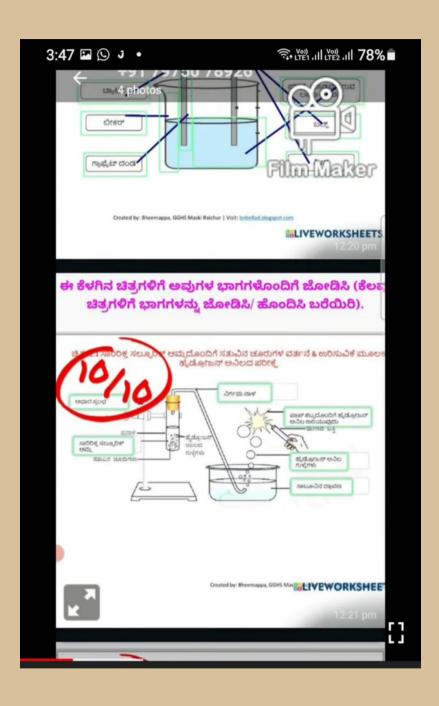


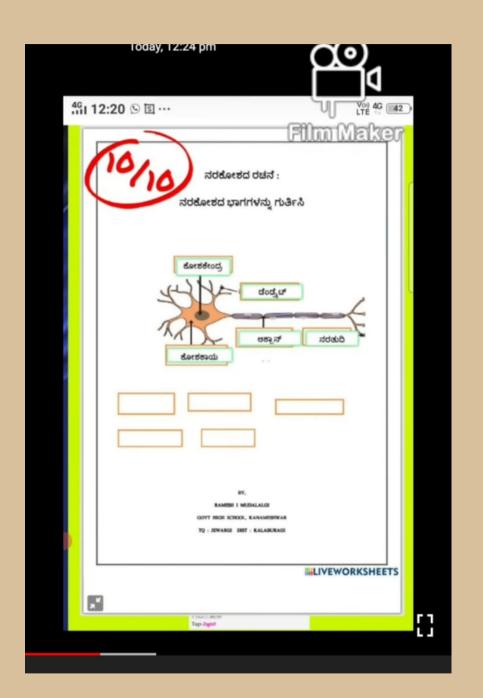


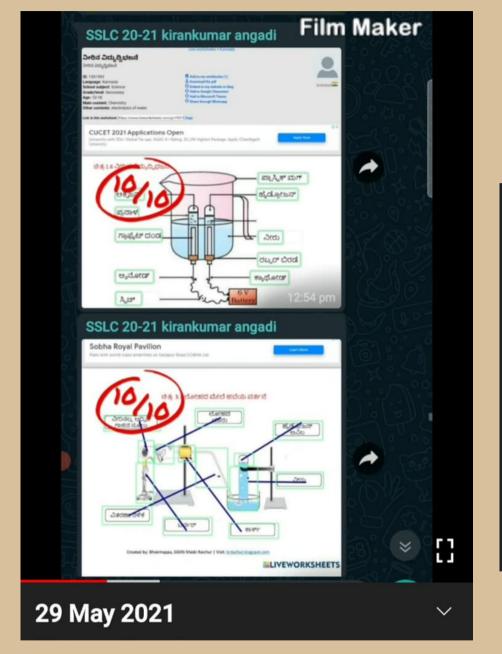


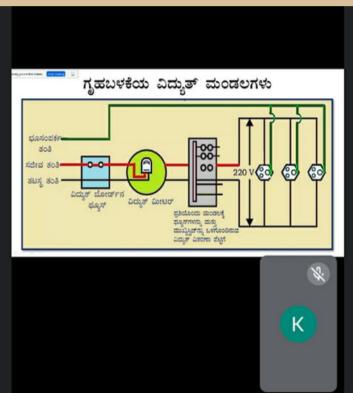


online interaction with live work sheets





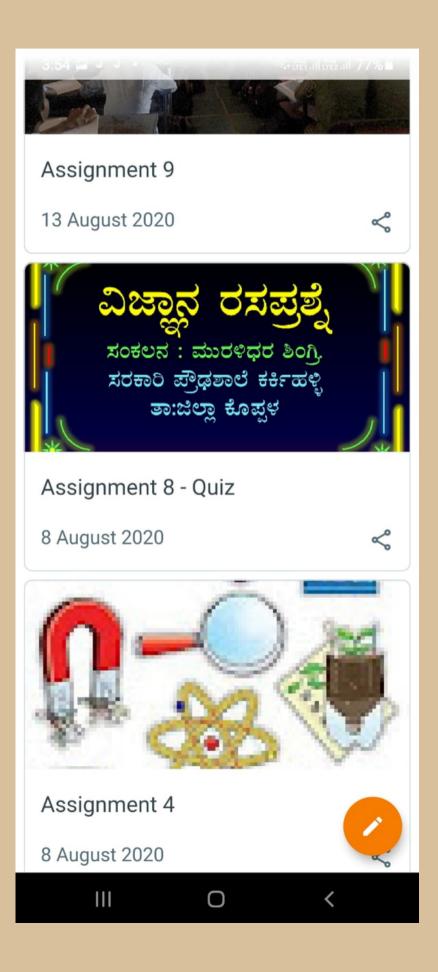




created quizes and blogs to interact with children







At Present i am working as:

District Technical person for Diksha (Nishtha 2.0)

MRP for ILP (India Litracy Project) specially cascading the experimental kit

Resource person for Jnana jyoti program designed for holistic development of schools in our Koppal district and workbook program called chiguru

along with my routine duties as a Science Teacher

Teacher tools

Every profession has its tools, what about the tools of the teacher/ teaching profession?

We must have our own tools like farmers who have their own tools needed for agriculture, if not they improvise the tools or barrow them.

ICT has become an excellent tool in education

We teachers must gain our own professional growth. (NCF 2016)

Teacher must become good facilitators and help the students to construct their own ideas.

If we teach today's students

as we taught yesterday's,

we rob them of tomorrow.

John Dewey



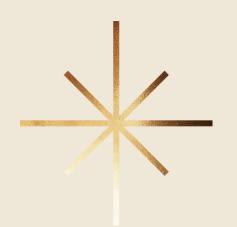


What we need isn't better technology, but better teachers to manage students in the classroom.

Nobody knows teaching like teachers











THANKS ALL





