

KANGKAN KISHOR DUTTA

Father's Name: **Lila Kanta Dutta**

Mother's Name: **Rina Dutta**

Permanent Address: **Tulshijan, Bonai**

P.O.: Bonai, Jorhat

Assam, PIN-785683

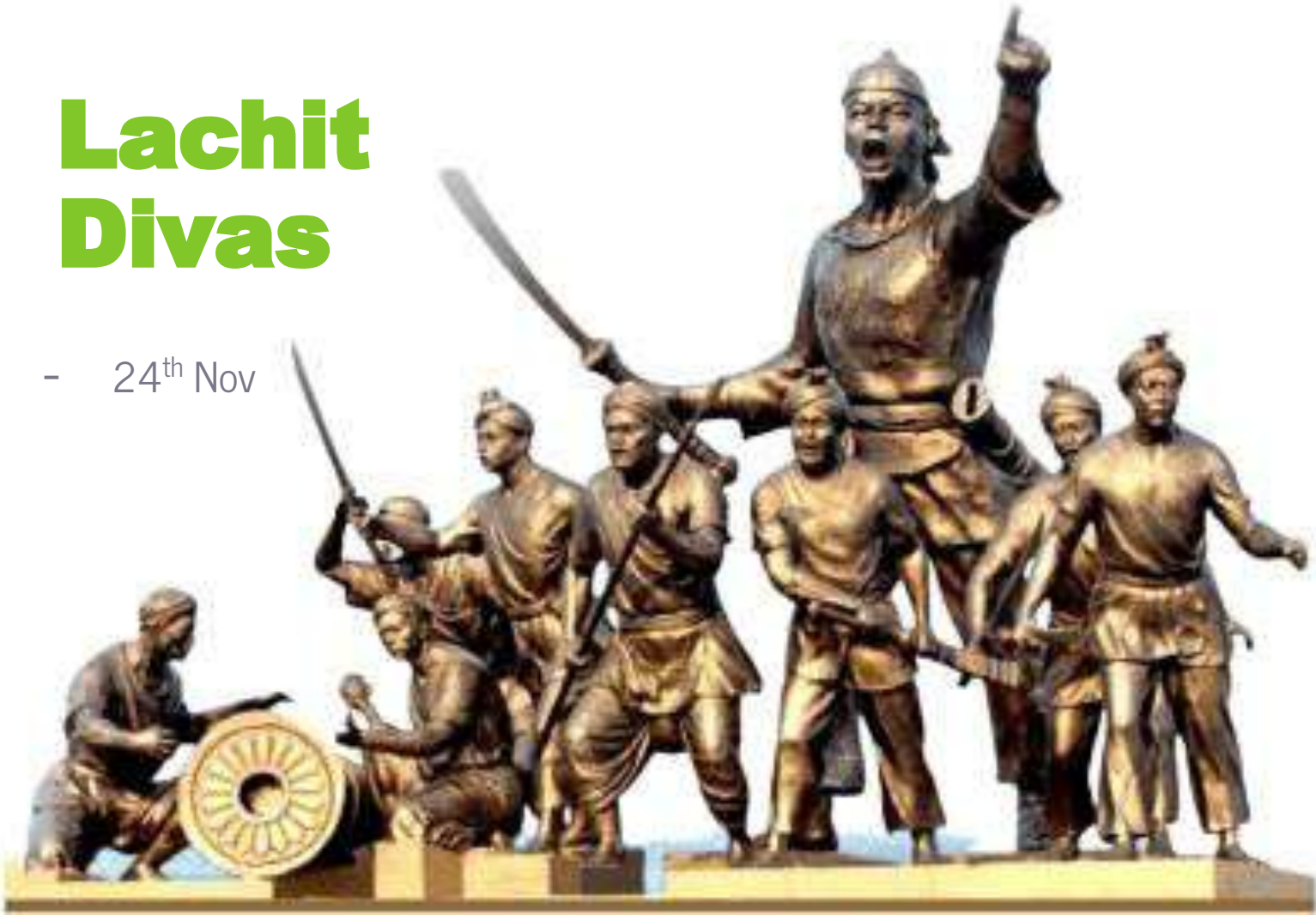
School Name: **Bamunpukhuri High
School**

Designation: **Assistant Teacher**

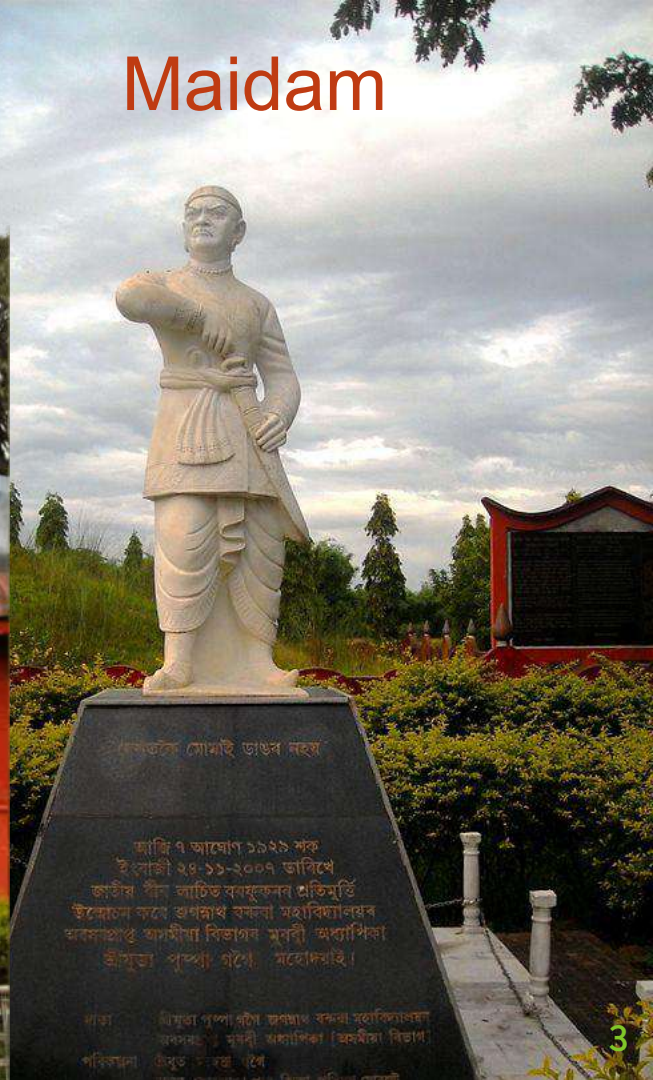


Lachit Divas

- 24th Nov



Maidam



শেখতরেক মোহাম্মদ ডাঙর নহর

জামি'ন আশোণ ১৯২৯ শক
ইসলাহী ১৩৫১-১৩৫২ ডাঃসিখে
জাতীয় বীর আর্চিত বনফুলন শ্রীতিমুর্তি
উদ্বোধন করে শরণদ্রাঃ হকিম মহাবিদ্যালয়ের
অবদানপ্রাপ্ত জামি'ন বিভাগের মুনবী অধ্যাপিকা
শ্রীমতী পূর্ণা গণৈ মহোদয়াই।

মাতা : শ্রীমতী পূর্ণা গণৈ জরদ্রাঃ বন্দনা মহাবিদ্যালয়
অবদানপ্রাপ্ত মুনবী অধ্যাপিকা শ্রীমতী গণৈ
পরিচালনা : শ্রীমতী গণৈ



2010

TAMULICHIGA HIGH SCHOOL

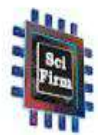
Bamunpukhuri High School



The background features a dark grey diagonal shape on the left side. In the background, there is a round clock with a dark face and white numbers, a white desk lamp with a white shade and a white base, and a small green plant in a white pot. Two bright green diagonal bars are positioned on either side of the text.

My 1st
YouTube
video

- Home
- Shorts
- Subscriptions
- Library
- History
- Your videos
- Watch later
- Liked videos



SciFirm

@SciFirm
3.24K subscribers

Subscribed 🔔

- HOME
- VIDEOS
- SHORTS
- PLAYLISTS
- COMMUNITY
- CHANNELS
- ABOUT

Videos ▶ Play all

- Subscriptions
- SciFirm
- Opportunity Career ...
- BYJU'S IAS
- Browse channels



Cyber safety and security basics Part-1



Planet-saving DART mission | Asteroid and future of...



Asteroid will hit Earth | Whether we are going to Die...



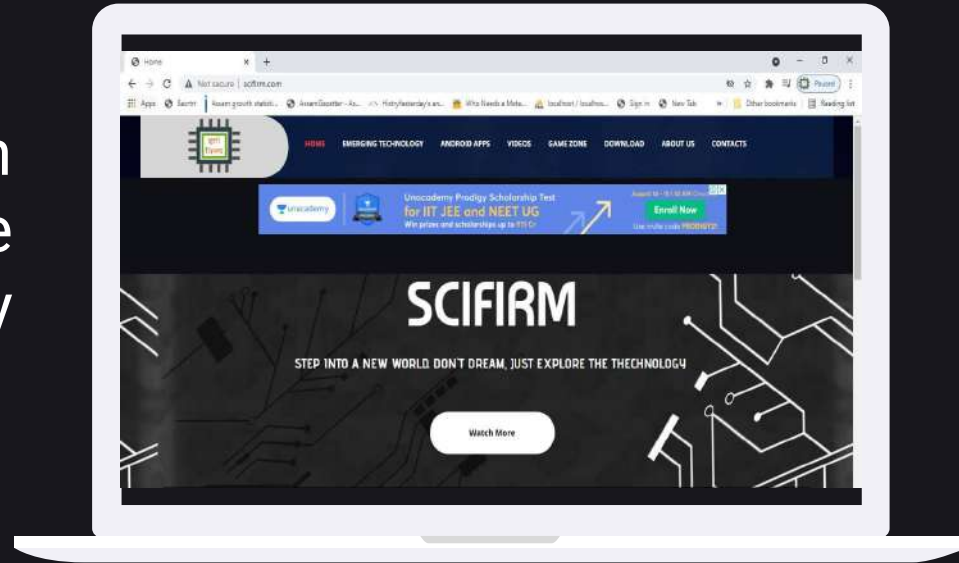
The India Gate| Kartavya path | The war Memorial | Amar...



What Causes Aurora borealis |Unknown Phenomenon |...

WEBSITE:
www.scifirm.com

That inspiration led me to the creation of my 1st ever website.





the
Integer
issue





Number comb model



1st Trip

Best Paper in 9th National Teachers Science Congress by DST



2018

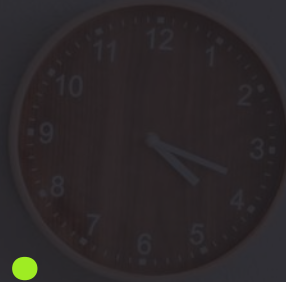


Started teaching with
more energy





the
Stepping
stone



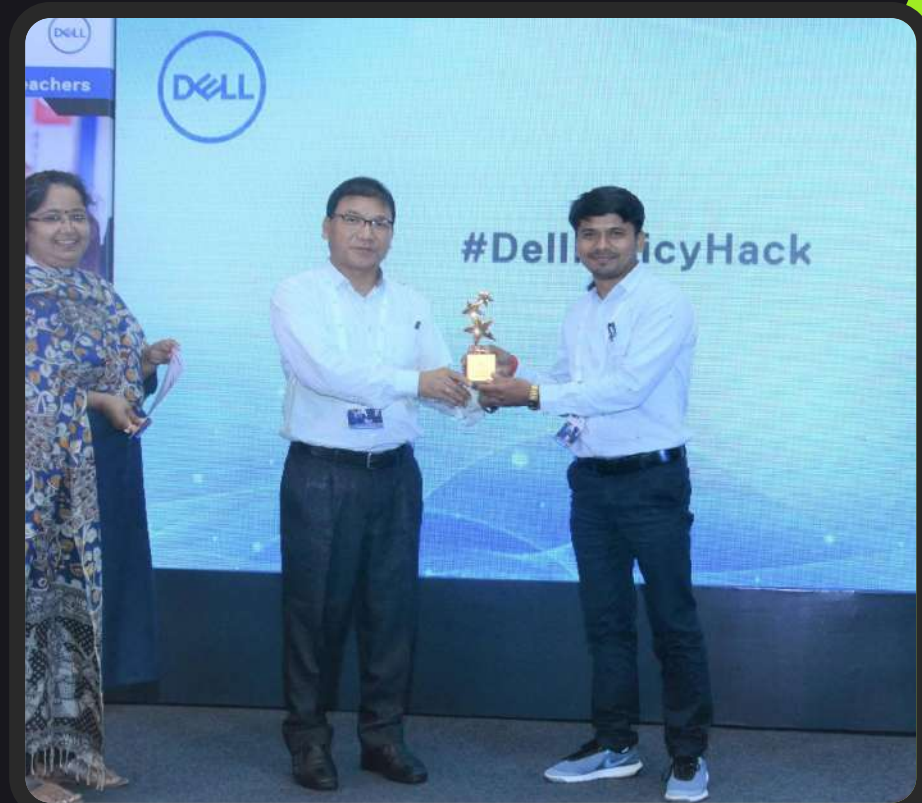
ICT Zonal workshop

by SCERT, Assam





Another Award:



2019

2nd Runner Up in Dell Policy Hack by UNESCO & MGEIP



A

New Light

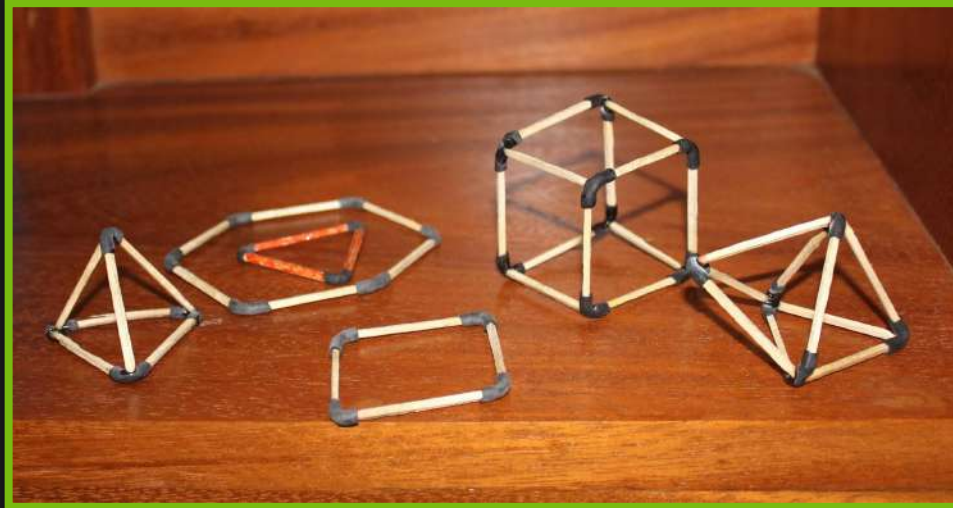




As KRP and RP also helped Teacher community to improve their skill and professionalism.



Innovative TLMs (Low Cost)



Match-Stick and Rubber valve of cycle wheel

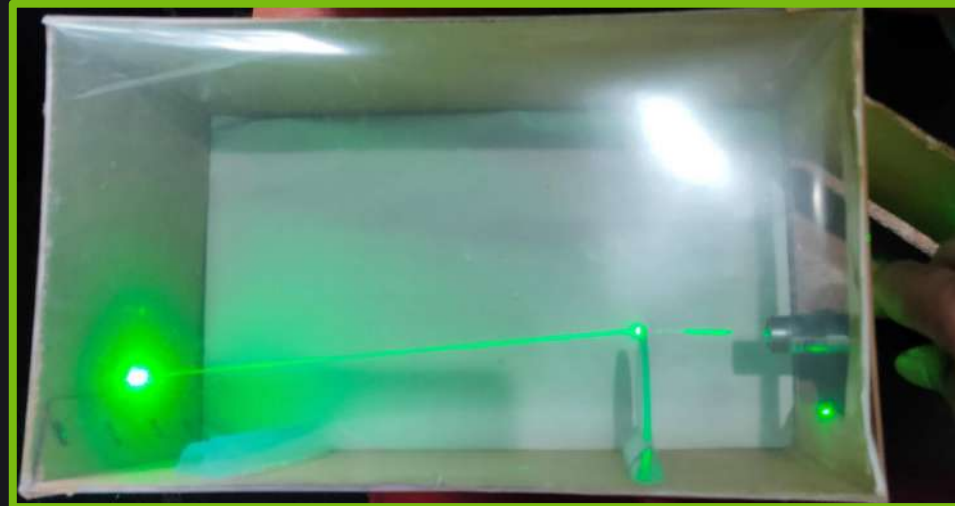
Used / broken Pens and beads for Abacus



Innovative TLMs (Low Cost)



TLM for Reflection and refraction from old shoe box

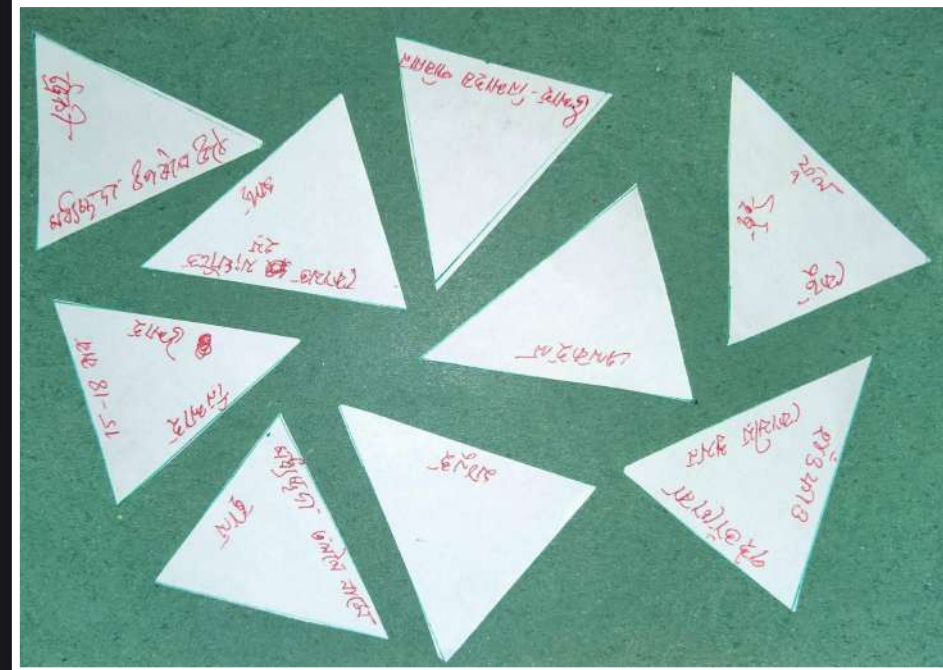


Innovative TLMs (Low Cost)



Low cost pendulum using potato

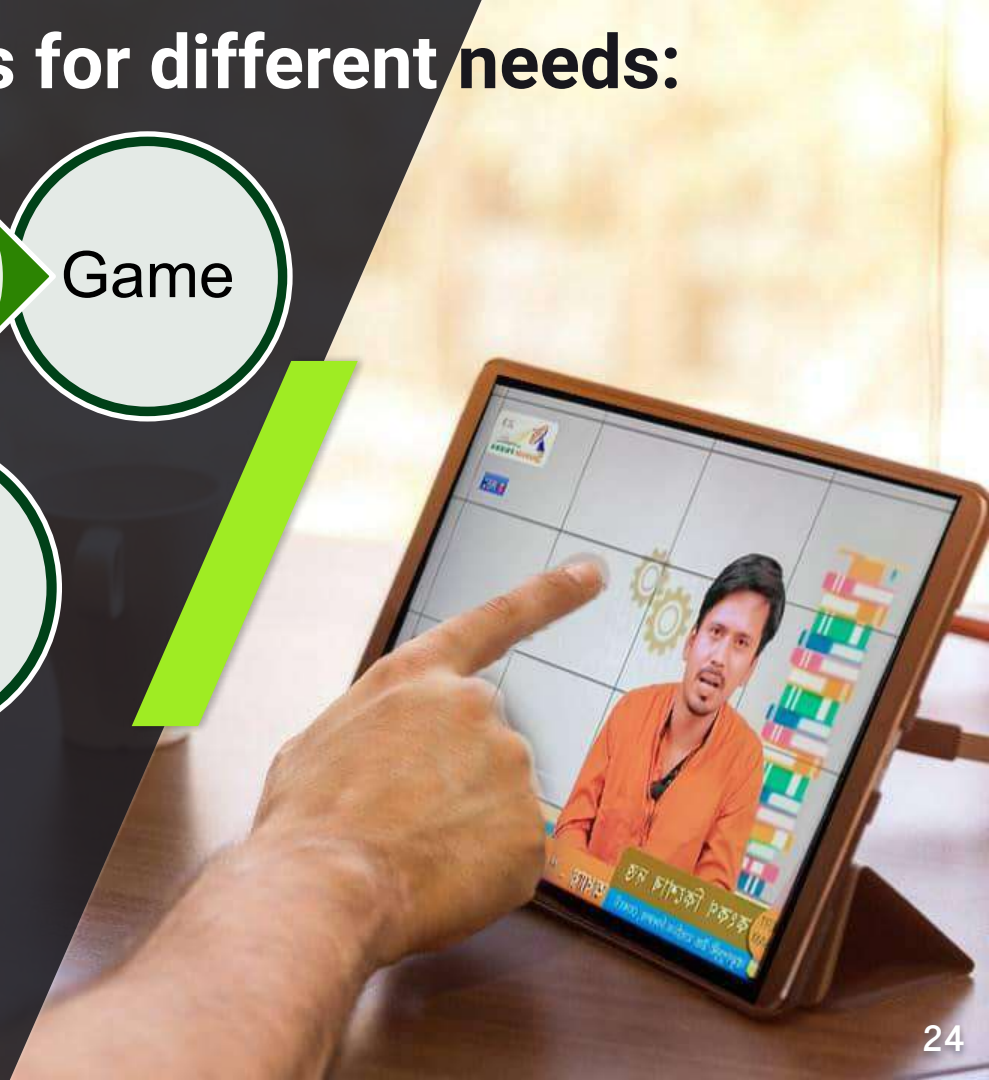
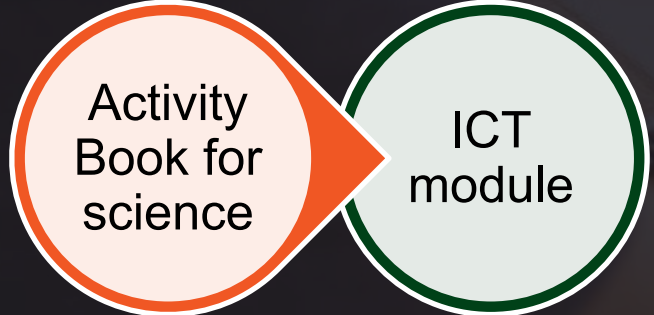
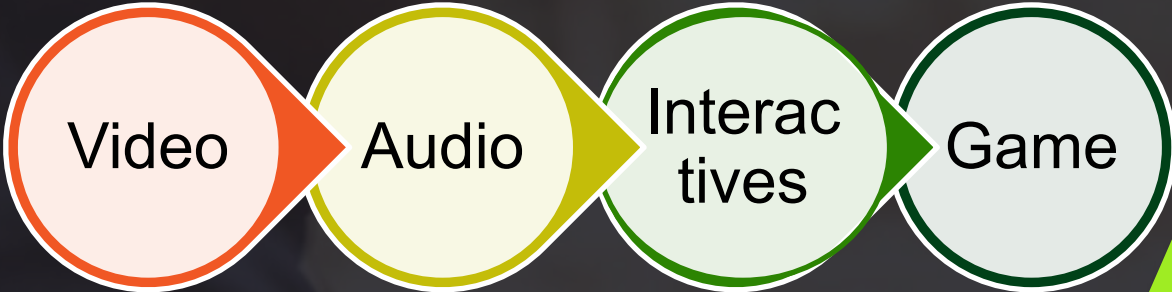
Puzzle Pyramid





DIKSHA

Different Types of Contents for different needs:





Digital Infrastructure for Knowledge Sharing (DIKSHA)
 Meeting of the Steering Committee of DIKSHA
 Organized by NCERT, Assam

DIKSHA at Home

DIKSHA in School

Confidential

Digital Infrastructure for Knowledge Sharing (DIKSHA)

What

Why at School?

- At this time when the world has become global and digital, it is very important for us to have digital infrastructure for knowledge sharing in our schools.
- It will help us to have a better understanding of the world and to be able to compete in the global market.

Why at Home?

- It will help us to have a better understanding of the world and to be able to compete in the global market.
- It will help us to have a better understanding of the world and to be able to compete in the global market.

Why Emergent Teachers?

- At this time when the world has become global and digital, it is very important for us to have digital infrastructure for knowledge sharing in our schools.
- It will help us to have a better understanding of the world and to be able to compete in the global market.

How

Install

Access

Where

DIKSHA at Home

DIKSHA in School

Confidential

Digital Infrastructure for Knowledge Sharing (DIKSHA)
 Meeting of the Steering Committee of DIKSHA

What

How

Where

DIKSHA at Home

DIKSHA in School

Confidential



2019

Felicitated by H'ble CM
of Assam for
Contribution towards
DIKSHA



The **Audience**

State Teacher Award for working towards e-learning in the state as well as DIKSHA



2020



Engagement of community and mobilization of community resources helped better correlation of community with the school



Leading students in various fields

Science model
and project
competitions

1

INSPIRE
Award

3

AI for
Youth

5

2

National Children
Science Congress

4

District and State
Level
Competitions



E-Management of INSPIRE Award MANAK

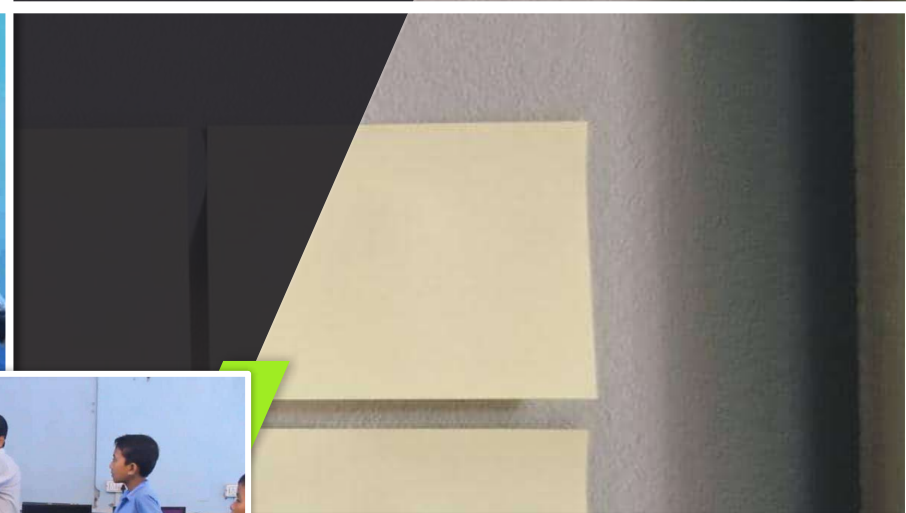
Welcome
Bamunghuri High School
(Hugly Gogoi)

E-Mail: banglun@netmail.in
Sambalpur -
Last login: Friday, Dec 7 2018 11:52AM
Logout | Site Profile | Dashboard

List of Awards Sanctioned by NA:

Sl. No.	Dist	Block	Sub-District	Eds. District	School Name	School Code	School Type	School Level	Locality	Sanctioned By
1	Jarhal	Tekla	Jarhal	Bamunghuri High School	1017000201	State Govt	Secondary	Rural	Aranya G...	
2	Jarhal	Tekla	Jarhal	Bamunghuri High School	1017000201	State Govt	Secondary	Rural	Munyaya G...	
3	Jarhal	Tekla	Jarhal	Bamunghuri High School	1017000201	State Govt	Secondary	Rural	Woo Duta	
4	Jarhal	Tekla	Jarhal	Bamunghuri High School	1017000201	State Govt	Secondary	Rural	Dhyan Ra...	
5	Jarhal	Tekla	Jarhal	Bamunghuri High School	1017000201	State Govt	Secondary	Rural	Diparpara	







https://youtu.be/6Fn_ngYRyCk

360 degree VR contents

Created 360 degree virtual reality contents to attract students towards learning.

360 VR video | Solar eclipse| সূর্য গ্রহণ কেনেকৈ হয় #VirtualReality
#Blender

AR

Augmented Reality, The new technology....

Augmented reality Apps
for higher order thinking...



THE SOLAR SYSTEM IS THE GRAVITATIONALLY BOUND SYSTEM OF THE SUN AND THE OBJECTS THAT ORBIT IT. OF THE OBJECTS THAT ORBIT THE SUN DIRECTLY, THE LARGEST ARE THE EIGHT PLANETS, WITH THE REMAINDER BEING SMALLER OBJECTS, THE DWARF PLANETS AND SMALL SOLAR SYSTEM BODIES. OF THE OBJECTS THAT ORBIT THE SUN INDIRECTLY—THE NATURAL SATELLITES.



EARTH IS THE THIRD PLANET FROM THE SUN AND THE ONLY ASTRONOMICAL OBJECT KNOWN TO HARBOR LIFE. EARTH ORBITS THE SUN AT AN AVERAGE DISTANCE OF ABOUT 150 MILLION KM (93 MILLION MI) EVERY 365.2564 MEAN SOLAR DAYS, OR ONE SIDEREAL YEAR.



Mercury

Venus

Earth

Moon

Mars

Jupiter

Saturn

Uranus

Neptune

Sun



Allotropes of Carbon



Functional Group



Digestive System



Excretory System



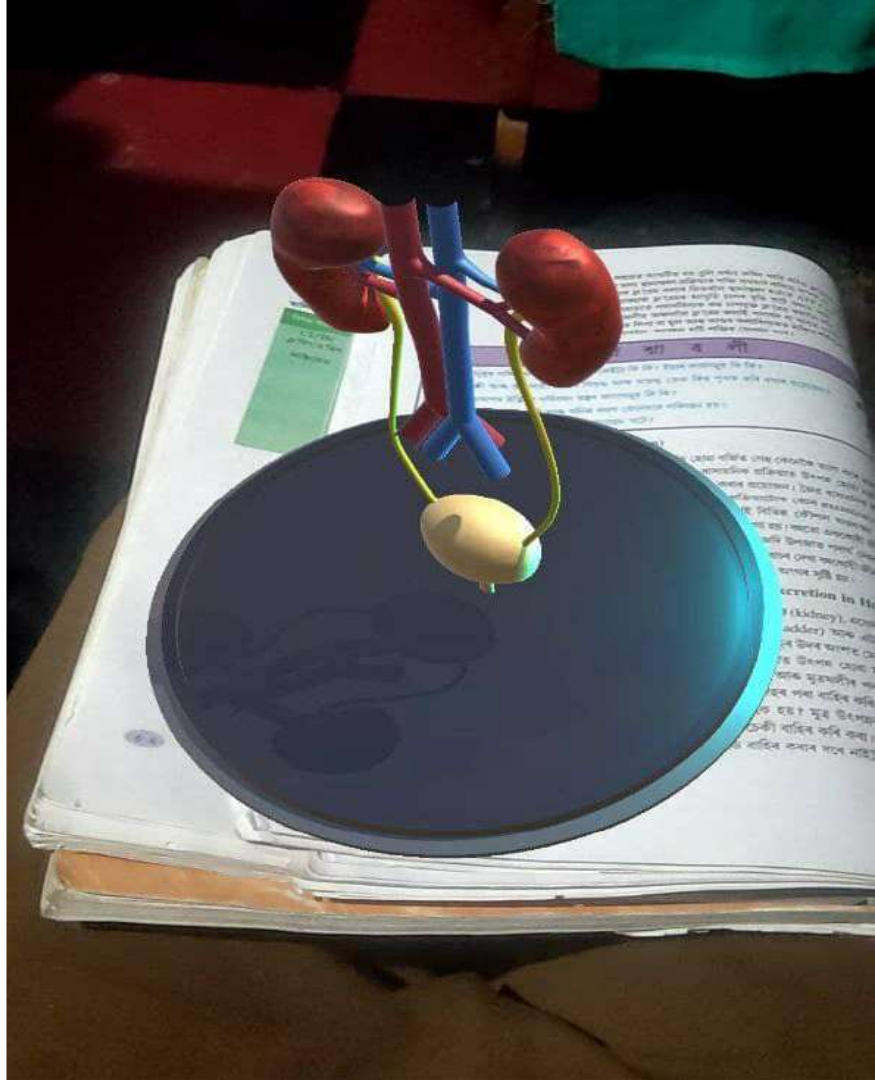
Human Brain

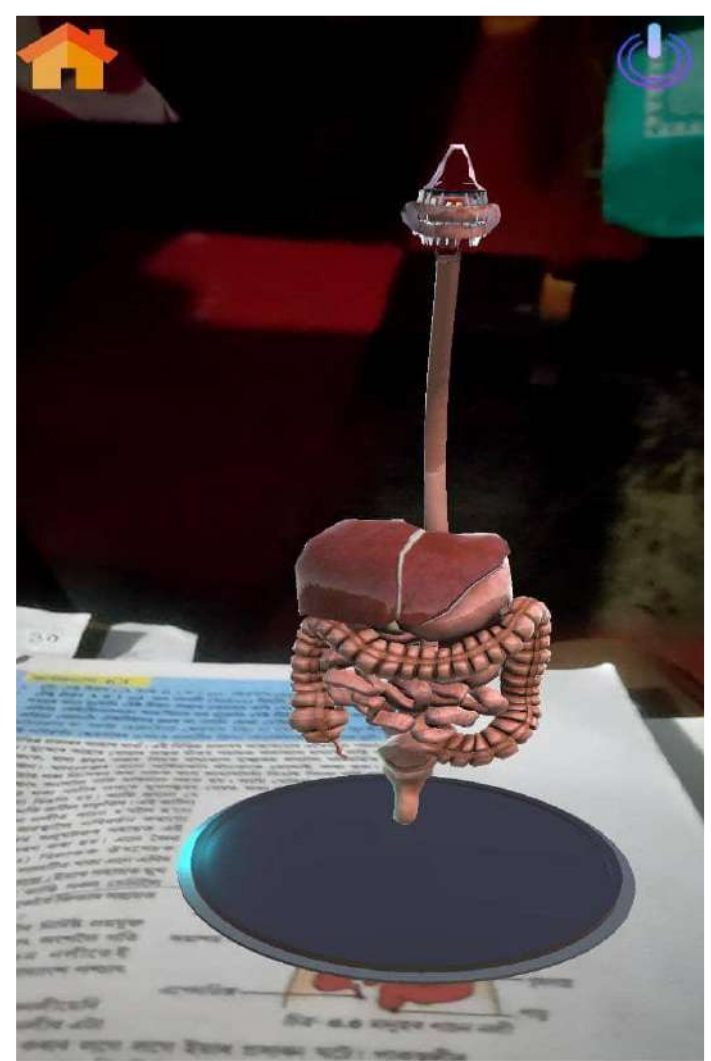
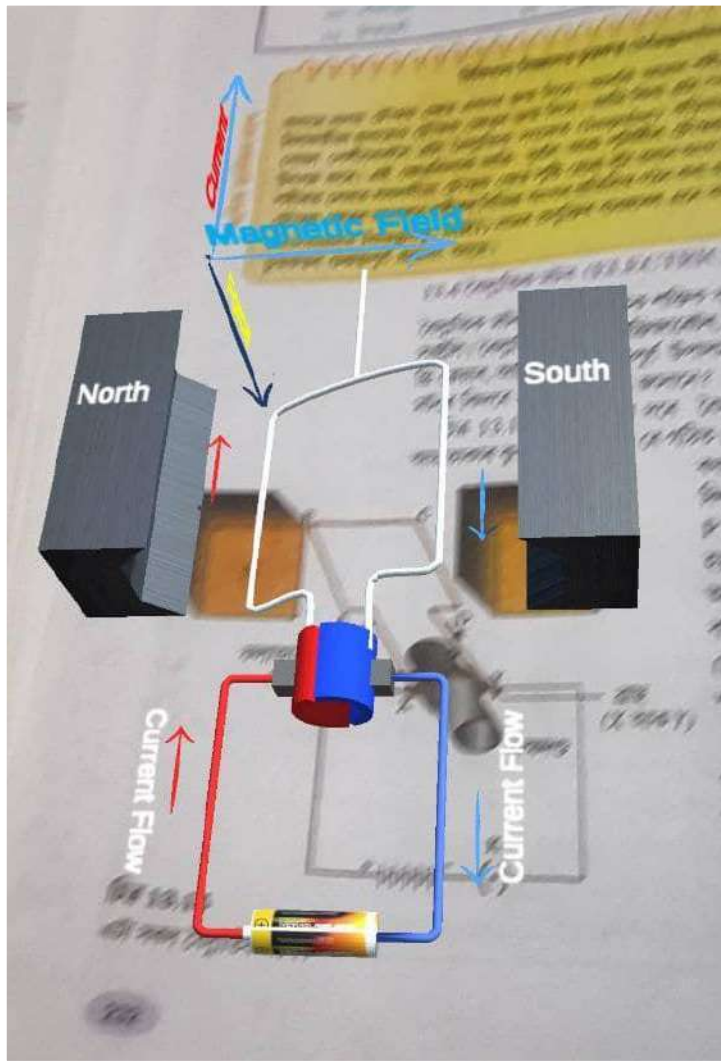


Human Eye



DC Motor





Developed e-content:

DIKSHA



Swayam
Prabha



AIR



Youtube

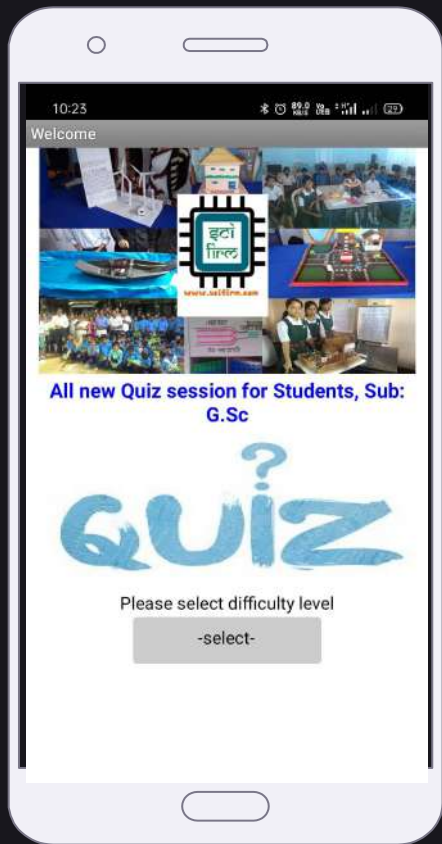




Improvement in
Quality
of the content

Android Apps: Making their phone a learning hub...

<http://www.scifirm.com/Android-Apps>



First 20 Elements of Periodic Table

Non-Metals	Metals	Metalloids	Metals
H	He	Li	Be
B	C	N	O
F	Ne	Na	Mg
Al	Si	P	S
Cl	Ar	K	Ca

Name: Sodium

Atomic Number: 11

Atomic Mass: 23

Electronic Configuration: 2, 8, 1

Physical State: Solid

Valency: 1

Developed more than 8 android apps to capture attention of new gen learners.



GAMES *for* LEARNING



Created educational games, student feels that they are playing, but they are learning something.

<http://www.scifirm.com/Game-Zone>



For Special Child

Special Android App

“AudiLearn”

For visually-impaired,

Which run on voice
command.



the
Poor
teacher



Best Audio Award in 24th AICEAVF and ICT Mela by CIET-NCERT



2020

Best New Media Award in 25th AICEAVF and ICT Mela by CIET-NCERT



2020



Ensuring every girl child will get equal and equitable opportunity in every aspect of her learning life.



Ensuring All round Development



Cultural Activity



Traditional activity

Ensuring All round Development



Yoga



Folic Acid Distribution

Ensuring All round Development



Visit historical Place



Use of Library

Promoting feeling of national integration



Democratic Election



Hoisting of National Flag



Celebrating Days of National Importance



Mock Parliament

This book contains a national award winning research paper which shows the impact of Information and Communication Technology on the learning of students. Specially learning negative integer for the first time is very difficult for them as it is an abstract concept. The paper also shows the promising nature of ICT in the educational scenario of developing countries. The research paper is a part of Author's action research in his profession.



Kangkan Kishor Dutta

ICT can change education scenario of developing countries

Paper on "Use of ICT to resolve difficulty in integers"



Kangkan Kishor Dutta is a Science teacher of Govt. High School from Assam, India. He already won three National Awards and one State Award in the field of ICT in education. He is a recognized e-content creator and contributor for various e-platforms of the nation. He also owns an YouTube channel "SciFirm" and a website addressed scifirm.com



978-620-2-67373-0

LAP LAMBERT
Academic Publishing

assessments and tests and share feedback forms, which improved monitoring and evaluation as well as built teacher capacity to create online content.

Sadhna Primary Vidyanandir, Hadapsar's recommitments focused on using technology and tech-based priorities to provide students with access to appropriate educational content based on their age. The school also introduced the concept of using online polls to gauge learning outcomes, and the use of popular social media apps for easy dissemination of vernacular educational content.

The HDFC School, Pune, focused on bridging the digital divide by adopting the use of devices not designed by Commonwealth Organization of Learning (COL) that allowed educators and learners to connect to digital learning platforms without the need for grid electricity and internet access.

LIST OF PARTICIPATING SCHOOLS

Vidya Pratishthan Indapur, Vidya Pratī Memorial School, Pune, Kibbi High School and Jyoti's College / Teach For India, Kendriya Vidyalaya No 2 AFS, Pune, D Y Patil International School, Pune, New English School, Man, Vidya Pratishthan's New English Medium School, Vidyanagar, Baramati, Sadhna School, The HDFC School, Yashwantrao Chavan, Khadakwasla

NORTHEASTERN REGION POLICYHACK

Held on 17 October 2019 in Guwahati

- **On-the-Job Learning:** Participants suggested that the strongest factor in determining technology adoption by teachers is adequate support and encouragement from institutions. School administrators and principals as well as local governments should adequately incentivize and promote the integration of digital technologies into classrooms, and provide support - including technical support - to early adopters. The focus should be on designing minimums products, building learning strategies and providing peer-to-peer and in-person ICT training for teachers

with the help of ICT-based resource packages, designed by teachers under professional guidance and supervision. An incentive system should be devised in order to measure teachers' performance in using digital applications.

- **Creating Customized Content:** Administrators should encourage the creation of unique, customized content by providing pedagogical support to teachers who choose to leverage digital technologies in the classroom.
- **Peer Learning:** Teachers should have an outlet with which to communicate with other teachers, share content, and contribute to a sense of shared vision in order to catalyze broad attitude changes and address existing skepticism of digital tools. Creative teachers using ICT tools to successfully impart education should be recognized with revenue-boosting rewards and awards. District Institutes for Education and Training should initiate online platforms for sharing good teaching practices.
- **Equalizing learning for all:** A phased approach should be adopted for ensuring effectiveness of investment in ICT infrastructure in schools, taking into consideration the readiness of the schools to embrace digital tools in classrooms. Every school should set up e-library for their students and teachers to reduce reliance on textbooks.

WINNING IDEAS

Teachers from **CMCL Vidya Bharati School**, which stood as the best hack, proposed setting up of mobile digital classrooms in order to reach students in rural areas whose schools lack basic power and broadband infrastructure. These mobile classrooms, which could be housed in school buses, would travel to remote villages providing computer education to students who may otherwise be unable to access any digital technologies. The initiative could be funded through a public-private partnership and could build capacity among teachers across geographies and socioeconomic backgrounds.

Sankeerdev Vidya Niketan teachers recommended the introduction of practical subjects focused on technical, non-technical, cultural, social, behavioral and spiritual development of students. The school focused on how to encourage students to adopt



daily activities that promote greater adoption of technology and EQ in problem solving.

Bamunpukhuri High School tackled the issue of broadcast educational content (live radio). The solution focused on tackling land connectivity issues in the Northeast and providing access to educational content for students who are unable to attend school regularly.

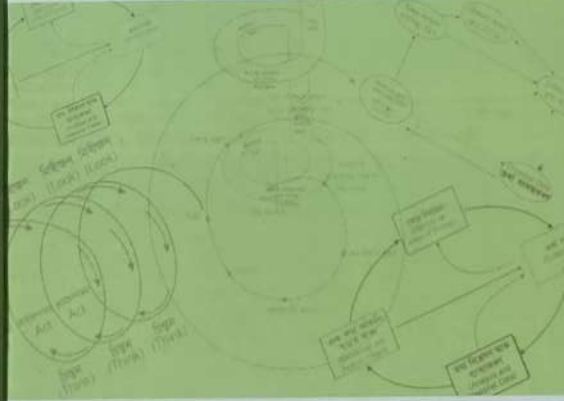
LIST OF PARTICIPATING SCHOOLS

CMCL Vidya Bharati School, Janaki Charan Higher Secondary School, Rabindra Vidyapith M.E.School, Adarsha Vidyalaya Alochara, Borail High School, Bamunpukhuri High School, Govt. V.M.H.S. School, Asian Academy, Jawahar Girls High School, G. G. Model School

কর্ম - গবেষণা

গবেষণার এক শৈলী

(Action Research : A type of Research)



ড° নির্মালা শর্মা

₹ : 170.00



ISBN : 978-81-922765-8-8

১৬৯

Larsen, J. (2012). Epistemological obstacles of negative numbers. *Vector: The Official Journal of the BC Association of Mathematics Teachers*, 53(2), 56-60. Retrieved from

https://www.researchgate.net/publication/274310485_Epistemological_Obstacles_of_Negative_Numbers

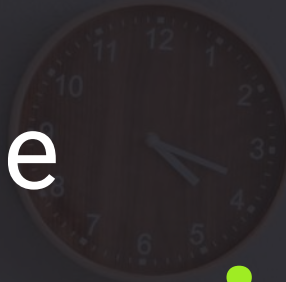
Ginsburg, H.P. (1997). Mathematics learning disabilities: a view from developmental psychology. *Journal of learning disabilities*, 30, 20-33.

Mazzocco M.M., & Myers G.F. (2003). Complexities in identifying and defining mathematics learning disability in the primary school age years. *Annals of Dyslexia*, 53: 218-253. □

✓ যোৰহাট জিলাৰ বামুণপুখুৰী হাইস্কুলৰ বিজ্ঞান শিক্ষক শ্ৰীকংকন কিশোর দত্তই কৰা এক কর্ম-গবেষণা সংক্ষিপ্ত আকাৰত শিক্ষকৰ কর্ম-গবেষণাৰ নমুনা হিচাপে প্রকাশ কৰা হ'ল। ভাৰত চৰকাৰৰ বিজ্ঞান আৰু প্ৰযুক্তি মন্ত্ৰালয়ৰ অধীনত আহমেদাবাদত (১৪-১৬) ডিচেম্বৰ ২০১৮ ত 9th National Teachers Science congress ত "Use of ICT to resolve difficulty in Integers" শীৰ্ষক, এক গবেষণা পত্ৰ উপস্থাপন কৰিছিল আৰু উৎকৃষ্টতাৰ প্ৰমাণ-পত্ৰ লাভ কৰিছিল। সেই গবেষণা পত্ৰৰেই এক সংক্ষিপ্ত সাৰ শিক্ষকৰ কর্ম-গবেষণাৰ নমুনা হিচাপে দিয়া হ'ল।



the
Pandemic





Responsible AI for Youth

A National Program for Government Schools

Congratulations to the winners!

75
Azadi Ka
Amrit Mahotsav

AZADI KA
DIGITAL
MAHOTSAV

AZADI KA
DIGITAL
MAHOTSAV

Azadi Ka Mahotsav

AZADI KA DIGITAL MAHOTSAV

September 5, 2021

Digital India

gov.in





International Collaboration



Samsung Quad Camera
Shot by Ritu

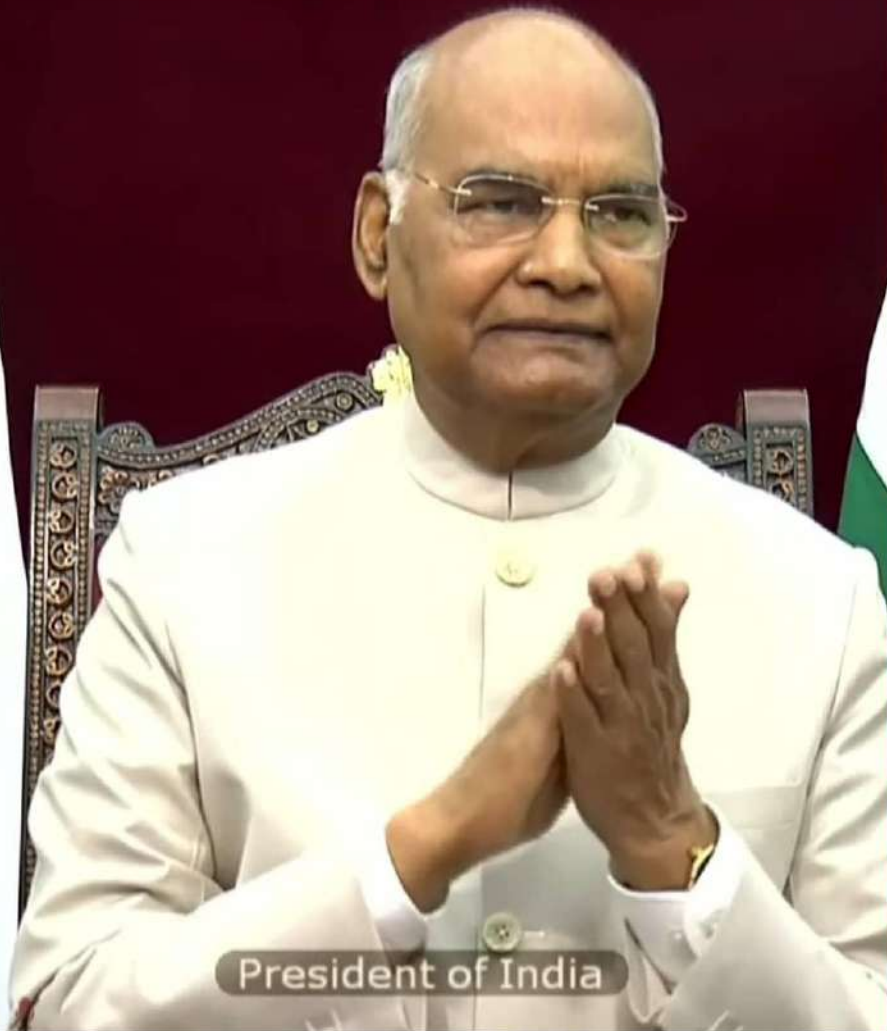




the
Inspiration



the
Moment



President of India



2022

**National ICT
Award-2019 by
CIET, NCERT**





FUNCTION IN HONOUR OF THE NATIONAL & STATE AWARDEE TEACHERS

Chief Guest

Dr. Rajkumar Ranjan Singh,

Hon'ble Union Minister, State, Ministry of Education, Government of Assam

Guest of Honour
Dr. Ranjan Singh,

Hon'ble Union Minister, State, Ministry of Education, Government of Assam

Distinguished Guest
Dr. Ranjan Singh,





Dr. Manoj Verma
Minister of Education, Govt. of Bihar

ACKNOWLEDGEMENT

Department of School Education, GOI
CIET, NCERT

Department of School Education, GOA
Director, SCERT, Assam and officials

Inspector of School, Jorhat and other officials
HM, Bamunpukhuri HS

Our State ICT Team

My colleagues

My dearest Students

My friends and family members

A silhouette of a person standing on a cliff with their arms raised in a gesture of triumph or exhaustion. The background is a sunset sky with soft orange and pink hues. The image is split diagonally by a dark grey line, with a bright green diagonal bar crossing it.

THANK YOU

Miles to go
before I sleep...