



उन्नत भारत अभियान Unnat Bharat Abhiyan

NEW PROPOSAL – TECHNOLOGY DEVELOPMENT/ TECHNOLOGY CUSTOMIZATION

Project Team Members:

Dr.C.T.Manimegalai & Ms.M.Joshikha

Project Title: Blended Learning with Interactive Whiteboards in Primary Schools

Subject: Smart technologies for villages

Village Name: Chettipunniyam

District and State of the Village: Chengalpattu and Tamilnadu

Proposed by (Principal implementing organization/ Department):

CSE Department, SRMIST-KTR Campus

Name and contact of Principal Investigator (PI):

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Collaborating Organization (if any):

SRM IST-KTR Campus, Chengelpet

Mobile and Email of the Contact Person of collaborating Organization(if any):

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Objectives of the Project:

Schools all over the world redesigning because of global pandemic, blended learning is becoming a new normal. An interactive whiteboard is a smart board that much like a whiteboard is a communication tool to use within the classroom and learning environment. Primary school students tend to have relatively low attention spans – smart boards offer a myriad of opportunities to keep students engaged through interactive features.

Experience in the Field for PI:

Funding was provided to us by the UBA under the SEG Covid-19 scheme. The project (Contact less Thermometer and Touch Free sanitizer) is now completed and the equipment has been handed over to the village

Brief Plan of Activities (Min 100 words):

In Post-Pandemic World, Technology has changed the face of education. Learning is seen as using a skill of thinking to arrive at an informed view. Blended learning is building more resilient education. The Proposed SMART Board [interactive whiteboard] was novel and will create enthusiasm for learning .

Blended Learning with Interactive Whiteboards in Primary Schools Implementing the integration of digital smart board facilitates active learning, which is fundamental to mastery of skills. The move for more facilities to use interactive whiteboards is not purely just to start relying on technology for classroom learning, it encourage student engagement, Makes the Learning Process More Enjoyable, Accommodates Different Learning Styles, Makes Lesson Revision More Convenient, Reduces Classroom Costs. So, it's obvious that there are many benefits of interactive whiteboards in the primary classroom. When we first have an interactive whiteboard installed in your classroom, you'll be provided with informational resources on how to navigate using the electronic whiteboard.

An interactive whiteboard can be used to organise information more effectively, provide digital charts and visuals for students, use the board for question and answer sessions and use reinforcing visual and audio features for students. The results of

this project will provide valuable feedback and performance enhancement from critical stakeholders in the education system, which will be used as a basis for improvement in moving forward technology integration and the overall strengthening of the quality of education in the country.

The IWB is a technology made up of a computer connected to both a projector and a touch-sensitive board that presents the pictures projected from the computer, allows for changes, and receives input electronically or by touch. The software for the IWBs allows a range of activities, including those that can be used without the use of the IWB (e.g., projecting presentations and videos, writing, and erasing the board) as well as activities unique to this technology

Technical intervention with proper assessment for viability of the outcome:

The pandemic is forcing educational institutions to shift to blended mode of teaching. Blended learning has some advantages; effective learning, autonomous learning, and easy to use. The use of the IWB for instruction can serve as a catalyst for the change from traditional instructional methods to interactive and constructivist methods.

To get an interactive whiteboard up and running, five separate components are involved are

- The interactive whiteboard
- A high quality digital projector
- A teaching computer
- The IWB software package including learning resources
- Connectivity between the computer, whiteboard and the projector.

Role of your Institute:

Institute will support us with the Lab to Implement and Test our Project

Cost of the facility: Rs 95,000/-

Project deliverables (product / process/ improvement / capacity building etc.):

Product: Efficient Interactive White Board.

Availability of funds from other sources: NIL

Duration of the work (in terms of work plan):

Timeline

TIME ACTIVITY CHART TIME (in months)		1	2	3	4
Phase-6	Submission of results				
Phase-5	Documentation				
Phase-4	Implementation in field				
Phase-3	Experimenting and Testing Results to be verified				
Phase-2	Procurement of equipments				
Phase-1	Design and development of model				

Impact of the Project in Villages:

While steadily move into post-Pandemic world. As we prepare to teach for 2022 and once the pandemic is over, there are many lessons we can take from our experiences and help in improving our teaching and learning practices.

Blended and hybrid learning seem to be the future of education and instructors are making efforts to learn, develop, and manage this form of learning during the pandemic and beyond. Our project helps Learning by the interactive whiteboard is widely considered to be a positive asset to the classroom.

General benefits of IWBs are

- Enable more varied, creative and engaging classrooms
- Increase enjoyment and motivation
- Students are able to cope with more complex concepts as a result of clearer, more efficient and more dynamic presentation
- Enable teachers to integrate ICT into their lessons while teaching from the front of the class

Expenditure Details is to be enclosed

Sl.no	Equipment Name	Unit Price in Rs	Quantity	Amount in Rs
1	The interactive whiteboard	30,000	1	30,000
2	A high quality digital projector	10000	1	10000
3	A teaching computer	50,000	1	50,000
4	Installation	5000	1	5000
	Total			95,000