

# Making mobile learning highly viable in contexts with no connectivity or grid power

## A Recent Implementation

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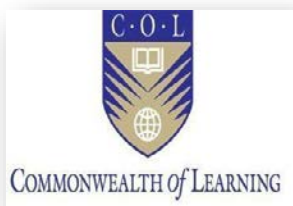
Vanita Shinde, Mann Deshi Foundation, India

Mose Mose, National University of Samoa, Samoa

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above  
all



# PAKISTAN



# Project Funding and Support

- Reach Out To Asia (ROTA) – Education Above All (EAA), Qatar Foundation
- Commonwealth of Learning (COL)

# Purpose of Project

- To conduct research on the effectiveness of mobile learning to improve access to education and enhance the quality of teaching and learning for the purpose of recommending a sustainable and scalable model to improve access and quality of education in a dangerous area.

# The Research Component

The following research questions were investigated:

- How effective is mobile learning as a delivery method for learning and student support as measured by students' performance?
- How effective is mobile learning as a learning and support method as measured by students' feedback?
- How effective is mobile learning as a teaching and delivery method as measured by teachers' feedback?
- What is an effective pedagogical model for mobile learning to educate students located in dangerous and remote locations?

# Implementation

- This project ran for 6 weeks.
- The project used a blended learning approach consisting of face-to-face instruction and mobile learning where students used the tablets to access learning materials from the Aptus system to learn independently.

# Implementation

- Teachers were trained on how to design the courses and how to use the Aptus system and the tablets
- Teachers selected the course(s) they want to use for the pilot
- Teachers organized the course(s) into units (chapters) and modules
- Teachers identified existing educational resources or used their own resources
- The learning materials were loaded on the Aptus

# Results

The first implementation gave very promising results. The project was implemented in Grades 8, 9 & 10. A total of 90 students participated in the project.

- Grade 10 had 1-1 tablets (each student had a tablet)
- Grades 8 and 9 – two students shared 1 tablet



# Result Highlights

- Improved students' technology skills: 79% of the students did not use a tablet or computer before this project. The students learned how to use the tablets in a matter of days and were then using them to access learning materials
- In the 1-1 class, 100% of the students reported that they enjoyed learning on their own (independently)
- The parents perception of mobiles and computers as tools of entertainment has changed after witnessing their children using technology for learning
- Students who have eyesight problems were able to read better using the tablets than the blackboard

# Use of Aptus for Education in Emergencies and Crisis

- Students do not need internet connectivity
- Device is affordable and portable – can be located in refugee camps, disaster areas, remote areas, and used by people with nomadic lifestyles
- Teachers control what students access
- Students can access learning materials from the Aptus using any mobile device with wireless capability

