



**DigiEduHack Solution  
Colombo - Making Learning Efficient  
Challenge: Sharing learning units,  
between teachers and towards/between  
students, over university boundaries  
and in an international perspective**

## **PelaPotha +**

### **Enrich school textbook content with multimedia components**

Textbooks are a vital part of primary and secondary education in most countries. In countries which provide Government funded education, a considerable amount of financing is allocated to maintaining school textbooks.

#### **Team: Team Falcon**

##### **Team members**

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### **Solution Details**

#### **Solution description**

Pelapotha+ app incorporates Augmented Reality(AR) to the pre-existing textbooks so unlike the conventional AR learning app solutions, the requirements for implementing Pelapotha+ is a smartphone, becoming the one and only augmented reality-based educational application and a game-changer for South Asia. The app can include content in the language medium of the user's textbooks.

#### **Solution context**

Accessibility is considered a major problem in implementing an augmented reality-based mobile learning app ubiquitously, we have considered the fact that a lot of government and political leaders

around the world have given vows to increase the already-high digital penetration rates, thus rendering at least the teachers in classroom able to use the app to give students the experience of using the Pelapotha+ app

### **Solution target group**

School students. Our solution's primary focus will be school students and teachers. Students will receive a deeper understanding and connection to the subject material and they cater to a different style of learning.

### **Solution impact**

From Pelapotha+ students can achieve higher grades as they gain access to the extra information from videos and audios. Even their learning style will be changed in a more efficient way.

### **Solution tweet text**

PelaPotha+ is an educational app which enriches school textbooks using AR-based multimedia technology

### **Solution innovativeness**

Pelapotha+ comes with exceptional features where students can play informational videos and audios. Even we deliver them the learning environment with quality images.

### **Solution transferability**

Can be utilized by people who are not registered within the school system but still have the access to textbooks.

### **Solution sustainability**

Pelapotha+ app gives the value to existing textbooks to use them more effectively. It uses a vast knowledge base where students can save their time without attending additional classes.

### **Solution team work**

Every member worked together in developing the application