The AR Based Textbook Educational App

Enhancing Textbooks with Augmented Reality

As stated in the aforementioned opinion, considering the limitations of textbook-based learning, we have proposed a mobile learning application for smartphones which enriches a student's experience of learning by providing more capvitating and engaging means of pedagogy.

Team: Falcon

Members roles and background

Every team member worked as one to accomplish our goal.

Contact details

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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 og 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

An augmented reality based educational application which enhances conventional textbook experiences with multifarious multimedia technologies.

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 stil 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

Pelapotha+ app increases the student interactivity, where students find content beyond the textbook. The students develop inquisitiveness, creativity and curiosity. They tend to discuss and represent their ideas to other students. This can build good teamwork and students can share their experiences with each other. Also, this will increase the association among the teachers and

students.