



AR in Physics Application

Overview

"Augmented Reality Models for Enhanced Learning Experience of Physics Concepts" is a mobile application that views virtual objects by overlaying it on real objects with the help of augmented reality technology. This application is based on the DSE secondary school physics syllabus. After opening the application and holding the mobile camera on top of the target, virtual objects related to the scope of the topic will be seen in the mobile. It'll help to understand the abstract objects of physics.

Application Installation

- To install the application, click on "Download App" button. (Fig: 1)
- Download and install the application on your phone (Fig. 2, 3)
- Open the installed application. (Fig: 4)
- For the individual details of each topic check the "Topics covered in the app" section of the website. (Fig: 6)
- Print the image targets provided on the website, it is recommended to print one image in one A4 size paper (images can be printed in black and white also). (Fig:

5)





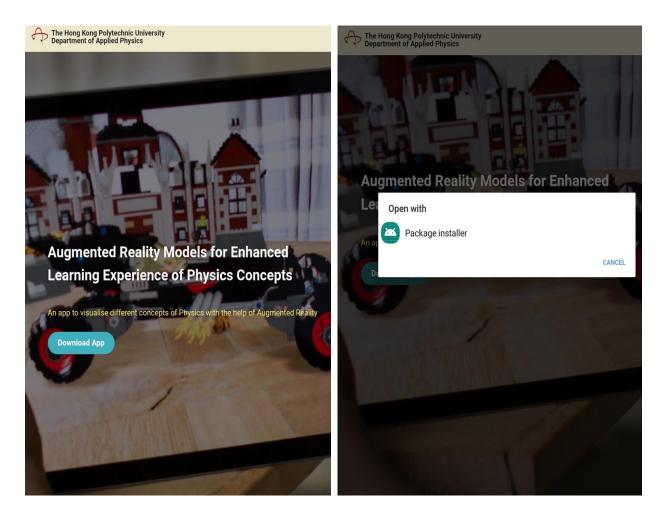


Fig 1 and 2: By clicking the "Download App" button user can download the application





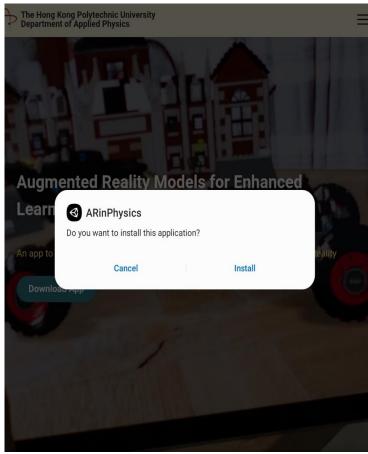


Fig 3: Click on Install to install the application

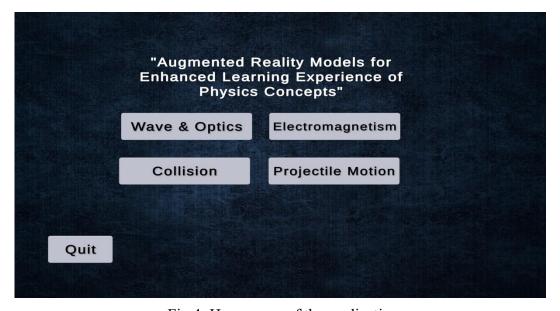


Fig 4: Home page of the application





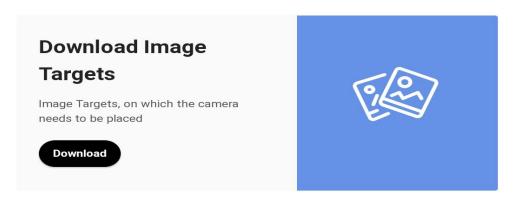


Fig 5: Download Image targets by clicking in this button

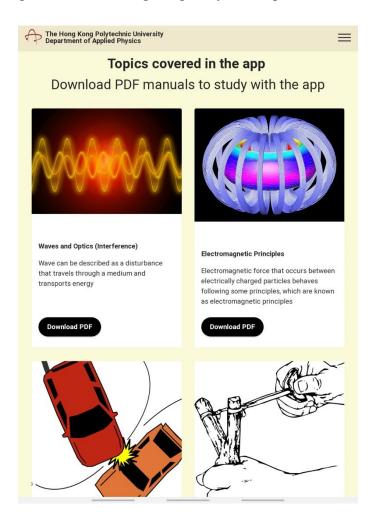


Fig 6: Download guideline for individual topics.





Features of the application

- This application covers four topics of DSE physics syllabus. When you will open the application, you will see four options to choose from such as. Waves and Optics, Electromagnetic Principles, Collision and Projectile Motion.
- Each topic will give you to change some parameter related to that scope and will give an interactive experience.

Overall Guideline to use the application

- In the "Image Target" section of the website, there is a pdf containing images required to use the application. You will need to print the images and keep the image in a flat surface in order to see the best results. In the bottom of the image target, the name of the topic for which it will be used is written.

***If you face any difficulty in using and installing the application, please message us in the contact us section of the website. ***