Augmented Reality (AR):

Augmented Reality (AR) is one of the effective tools to easily visualize the physics concepts. In text books and in PowerPoint based classes we can see the physics concepts explained in figures usually black white and two dimensional (2D) mode, Whereas by using Augmented Reality (AR) the same concept can be explained in three dimensional (3D) and colourful mode.

Augmented Reality (AR) gives 3-D images of the equipment or the objects projected in the real world such as classroom or seminar hall. Most of the physics concepts require imagination and visualisation which is very difficult for majority of the students. But by using augmented reality one can explain the same concepts easily and effectively with 3D objects and processes like it is happening before the students.

Augmented reality is a very recent technology and in the process of development. The advances in the development of mobile processors and mobile cameras are enabling the development of AR apps for the education through mobile.

Many educational institutions around the world are shifting from power point based ICT education to Augmented and Virtual Reality based education. Many multi-national companies such as Apple, Face book and Google are investing heavily in the AR technology.

Many Best Educational Institutions around the world are leveraging the advantages of AR Technology.

Many apps are being developed in iOS and Android mobile operating systems. Availability of Augmented Reality (AR) in mobiles will make the technology more affordable and wide reachable. Not only visualizing but students can interact with the objects like rotating, expanding, zooming etc.this enables better understanding and **experiential learning** of concepts.

Augmented Reality in Education

Objective: To introduce Augmented Reality (AR) in Education

Date: 15 March 2022

No of students participated: 30

Sri P. R. Ratan Kumar of department of physics has been using Augmented Reality (AR) for explaining physics concepts. He is using iPod based Augmented Reality apps. He explains many topics such as Mechanics, Big Bang theory, Collisions of objects, Solar system in Augmented Reality. It is observed that students are showing so much enthusiasm to learn physics through Augmented Reality. Among ICT applications in education Augmented Reality can be considered as advanced technology in teaching.


I AM MADE OF STAR STUFF
#starselfie
FROM ANCIENT STARS
65% Oxygen
18.5% Carbon
3.2% Nitrogen
1.5% Calcium
FROM THE BIG BANG
9.5% Hydrogen
CERN
Google Arts & Culture