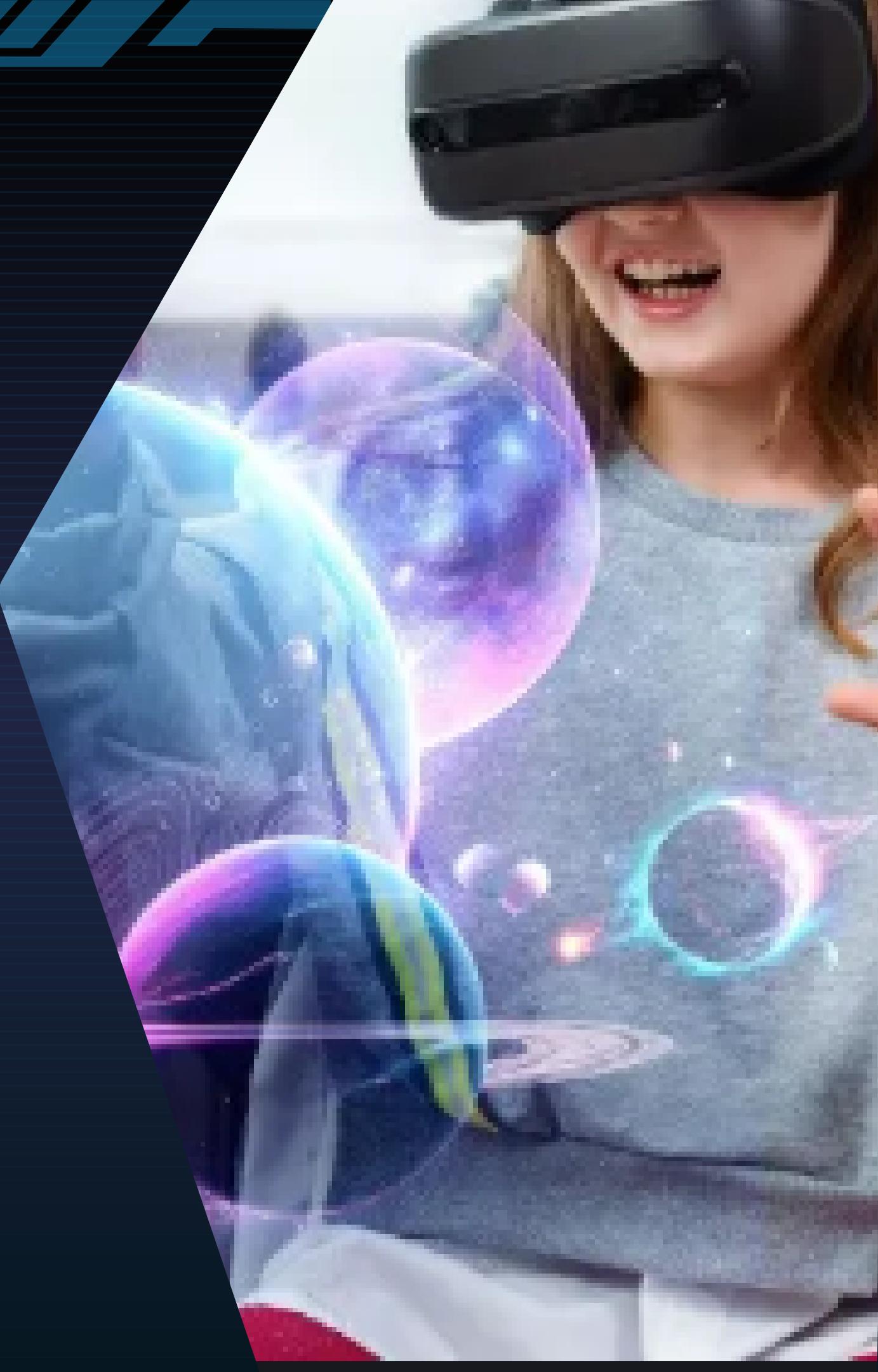


Synergia

SMART E LEARNING

An Application using AR



Problem Statement

Current Issue :

Students resort to rote learning rather than Understanding the concepts

App Solution :

Our app, Smart E Learning using AR ,integrates Augmented Reality(AR) and 3D models to make learning easy.

Impact :

Learners and Educators can gain deeper and more interactive and understanding of complex concepts using AR

Continuation...

Future-Ready Approach :

AR is the foundation for the upcoming metaverse, which will revolutionize how education is delivered. Our app aligns with this trend, making learning both immersive and future-proof.

More about Augmented Reality...

Augmented reality (AR) is set to be a key pillar of the future metaverse, reshaping how education is experienced. As this digital frontier evolves, AR offers immersive, hands-on learning that goes beyond traditional methods

Literature Review

AR in Education :

- According to recent studies from reputable sources like IEEE, AR is gaining attention as a key technology in enhancing education.
- A notable example is the article Augmented Reality Integration in the Education System, which highlights how AR improves learning engagement and conceptual understanding.

Limitations of Existing Solutions :

- Despite the potential of AR, there are currently very few educational tools that leverage this technology effectively.
- Existing solutions are limited in scope, often lacking scalability and depth in content.

Continuation...

Novelty of our approach :

- Unlike existing tools, our approach focuses on scaling AR-based education with the inclusion of 3D models.
- While we are not directly integrating with the metaverse, the scalability of our solution can influence the educational sector, aligning with future technologies.

Solution Architecture

Components :

Front-End : Created with Figma and Canva

Back-End : Developed with C#

AR module : Utilizes Vuforia for AR features

Technologies :

Unity : For AR and 3D model integration

Android Studio : For android device compatibility





**PRIMARY
STUDENTS**

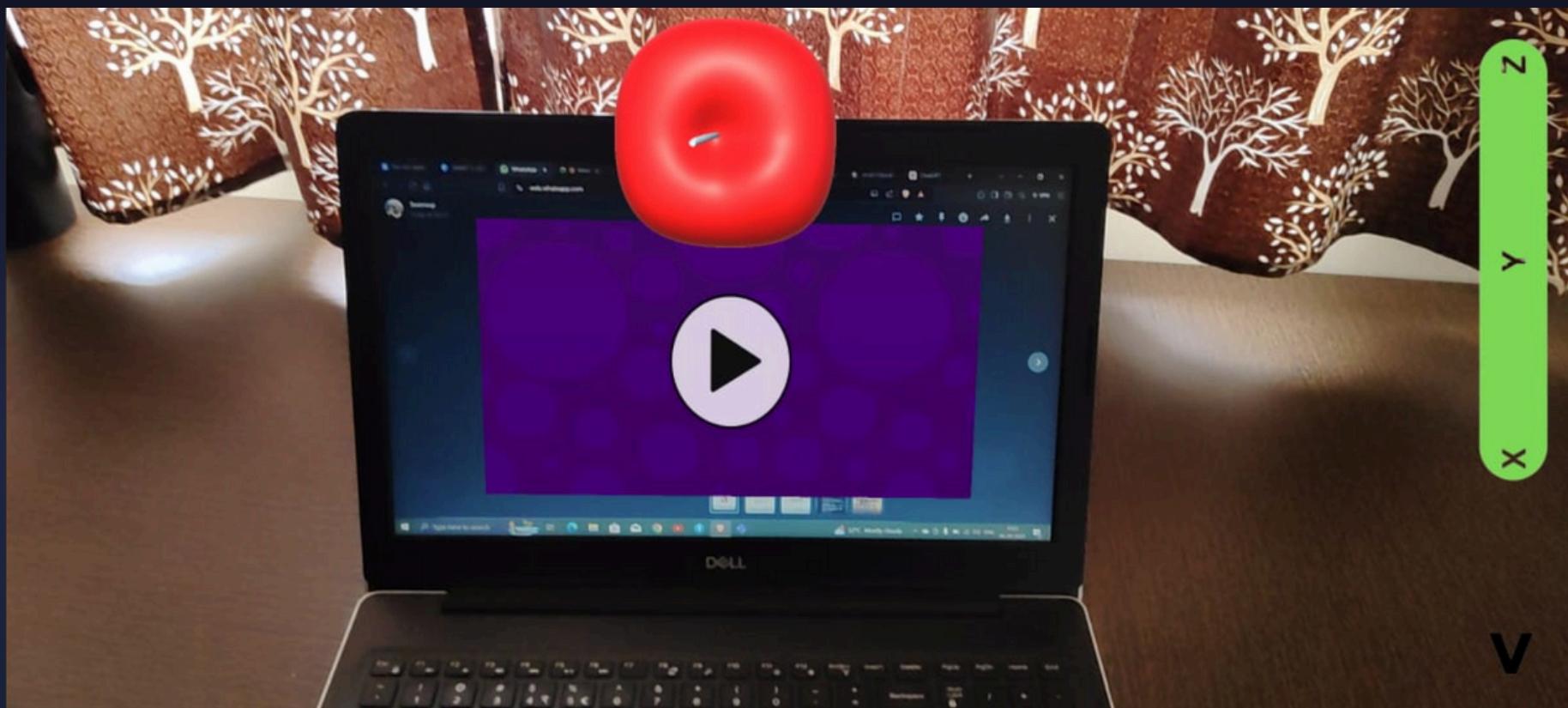
**HIGH SCHOOL
STUDENTS**

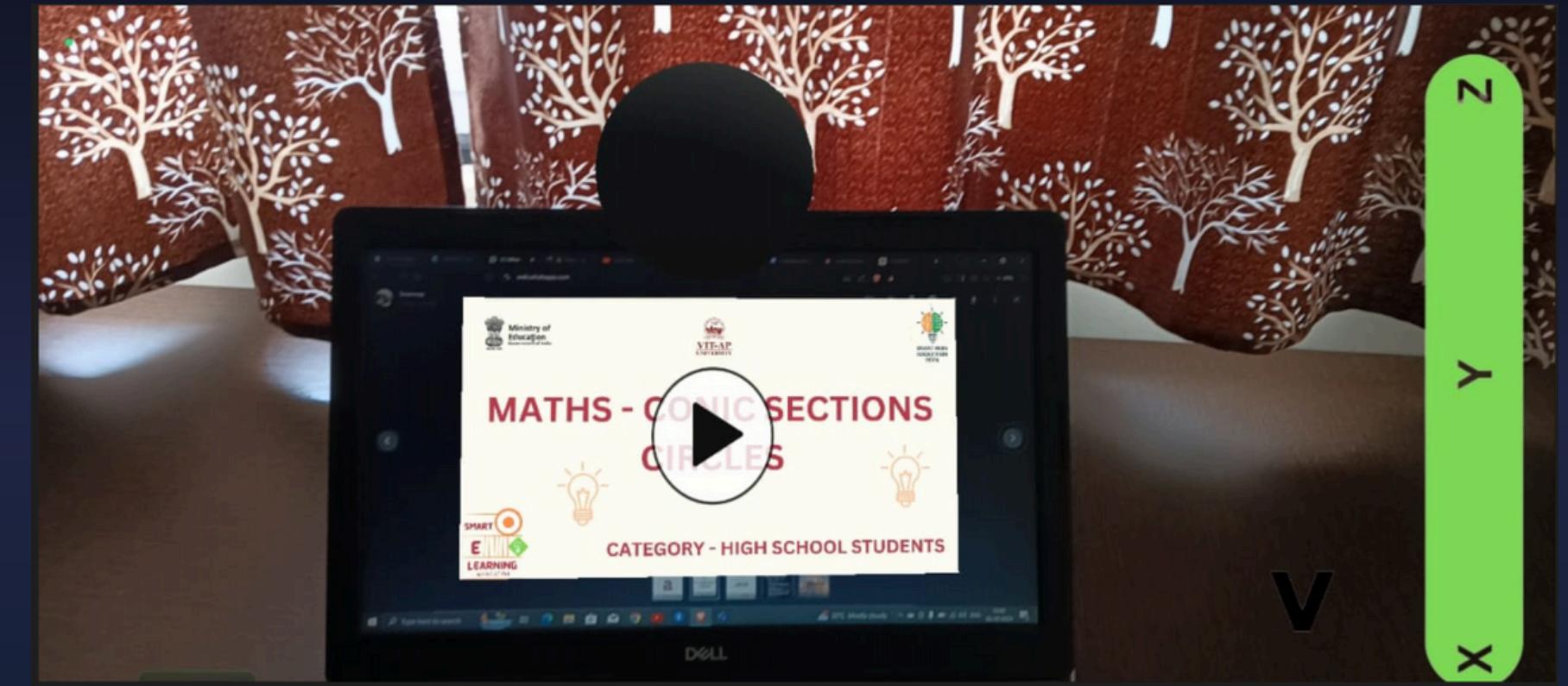
UG STUDENTS

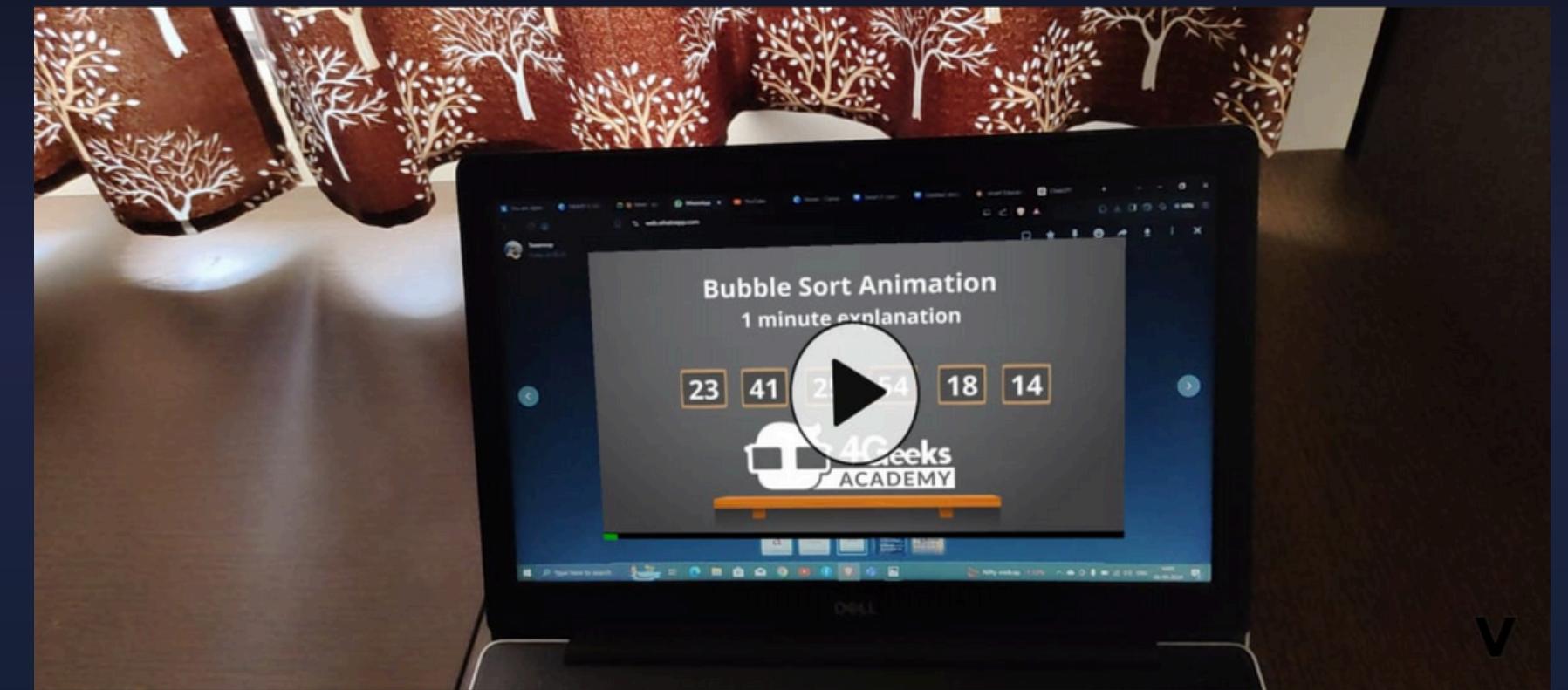
i o x



CATEGORY - PRIMARAY STUDEN







THANK YOU!