Project Report

Team member 1 : G.Vishwanath

Roll No: SE20UCSE229

Team member 2 : J.Sai Sujith

Roll No: SE20UARI132

How to use:

Hello guys here is a walk through for how to use edu-ar

Note- all codes and files are present inside the data folder

step-1

Download the edu-ar.apk app from the APP folder and install it

step-2

Download the target images from the images AR book folder

step-3

open the app and select the dicipline and when the camera opens, show the paticular image to view it in AR.

Note: Use trail credentials:

username: kskrao2192000@gmail.com

password: qwertt

Examples:

DC MOTOR

Scan with EDU-AR :-

DC MOTOR

PRINCIPLE:-

The DC motor is the device which converts the direct current into the mechanical work.

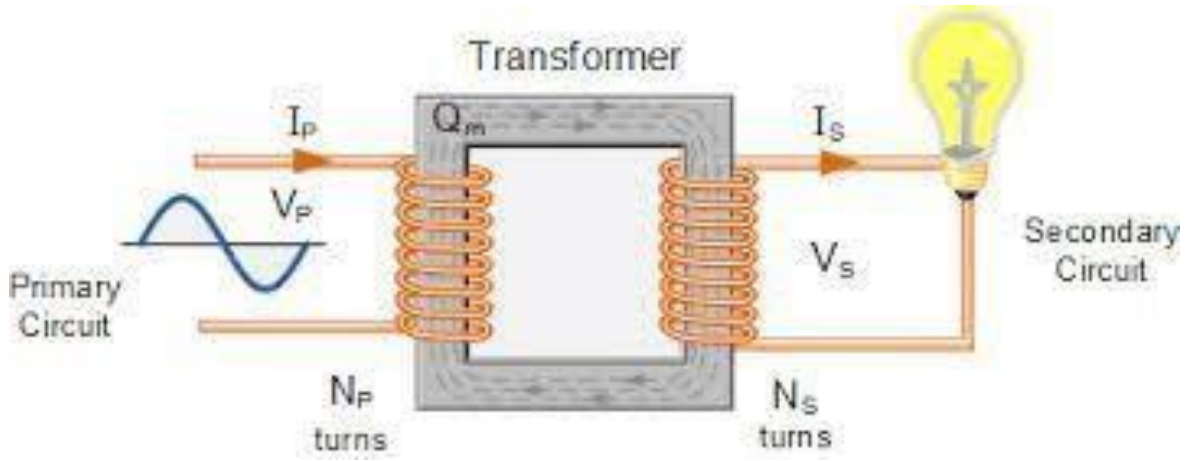
Power Transformer

Scan with EDU-AR:-

POWER TRANSFORMER

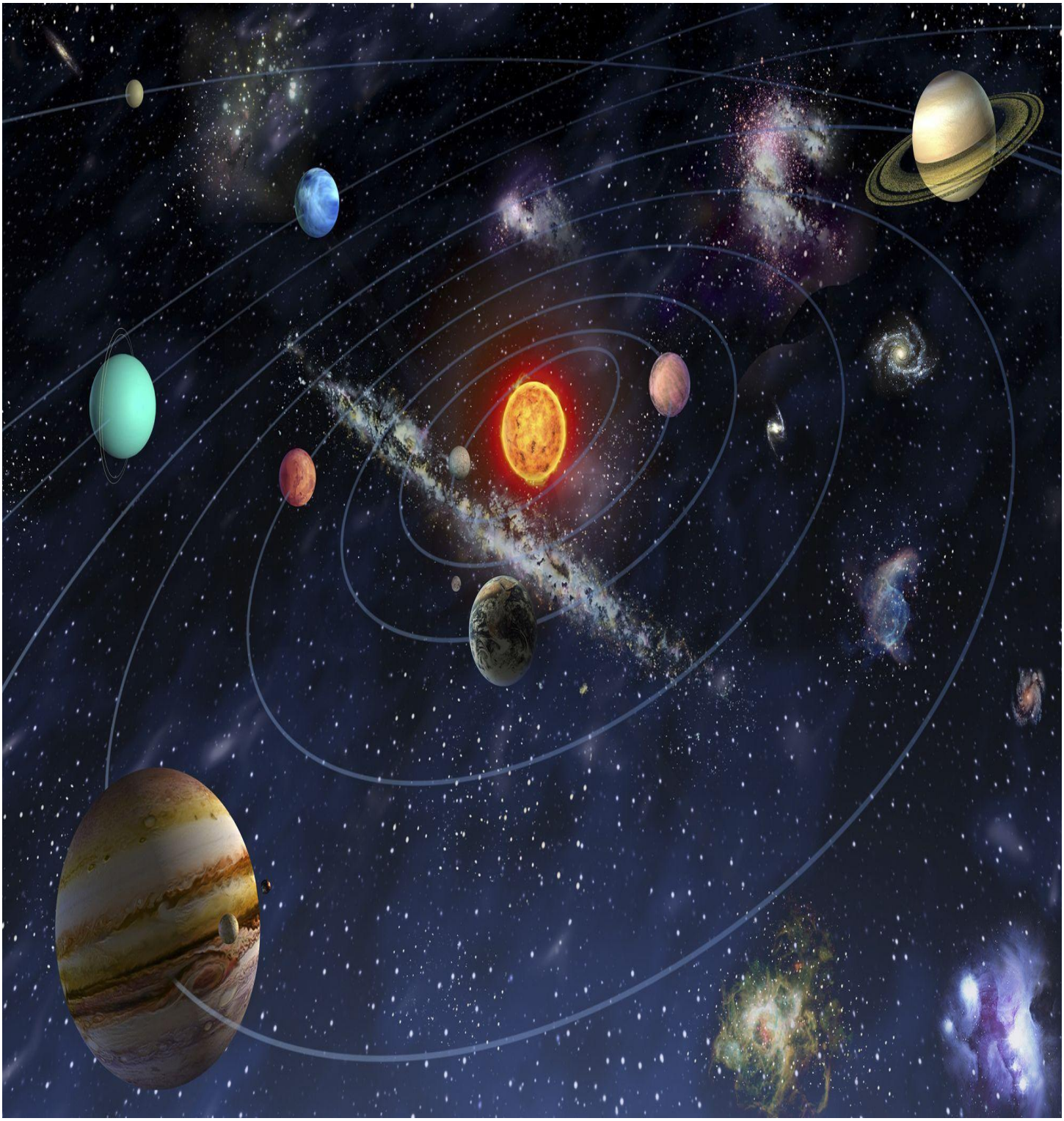
Working principle of transformer:

A Transformer is a static electrical device that transfers electrical energy between two or more circuits through electromagnetic induction.



SOLAR SYSTEM

Scan with EDU-AR



Limitations:

1. **Device Compatibility:**
    - The app may not be compatible with all devices. Users may face issues if their smartphones or tablets do not meet the app's hardware or software requirements.
2. **Operating System Restrictions:**

- The app might only be compatible with specific operating systems (e.g., this apk works only for Andriod)), limiting access for users with devices running alternative systems.

3. **App Stability:**
    - Users may experience crashes or instability, especially if the app is in the early stages of development or has not undergone thorough testing on various devices.
4. **Image Recognition Accuracy:**
    - The effectiveness of the augmented reality experience relies on the accuracy of image recognition. If the app struggles to recognize target images or if lighting conditions are suboptimal, the AR experience may be compromised.
5. **Limited Content:**
    - The availability of content within the app may be limited. Users might find a lack of educational material or variety within specific disciplines, reducing the overall value of the app.
6. **App Updates:**
    - If the app is not regularly updated, users might encounter compatibility issues with newer devices or operating system versions, leading to a decline in performance over time.
7. **User Interface Issues:**
    - Cluttered or confusing user interfaces can be a barrier to effective use. Users may struggle to navigate the app or find specific features, impacting the overall user experience.
8. **Battery Consumption:**
    - AR applications tend to consume more battery power due to the use of camera and graphics processing. Users may need to be aware of the app's impact on their device's battery life.
9. **Security and Privacy Concerns:**
    - Users may be concerned about the security and privacy of their data, especially if the app requires access to sensitive information or if it collects user data without clear consent.