



University Institute of Engineering
Department of Computer Science & Engineering

Experiment : 4

Student Name: Mukul Dagar

UID: 22BCS15436

Branch: Computer Science & Engineering

Section/Group: 22BCS-421-B

Semester: 2

Date of Performance: 24-03-2023

Subject Name: DT-2

Subject Code: 22ECH-103

1. Aim of the practical:

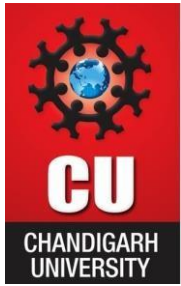
Understanding different AR effects along with exploration of AR tool interface and capabilities.

2. Tool Used:

Plug XR

3. Basic Concept/ Command Description:

- PlugXR is a Cloud-based Augmented Reality platform equipped with powerful features to Create & Publish advanced AR Apps and Experiences into WebAR or a white-labelled App on Android & iOS or in the PlugXR app with absolutely NO Coding or Dependency.
- AR can be defined as a system that incorporates three basic features: a combination of real and virtual worlds, real-time interaction, and accurate 3D registration of virtual and real objects. The overlaid sensory information can be constructive (i.e. additive to the natural environment), or destructive (i.e. masking of the natural environment).



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- Augmented reality is of four types: Marker-less, Marker-based, Projection-based, and Superimposition-based AR.

4. Observations, Simulation Screen Shots and Discussions:

Your changes are published.



Scan the QR Code to see the Experience



URL

<https://p.plugin.com/eKi4uST>

Copy Link

Embed Link

`<iframe src="https://creator.plugin.com`

Copy Link

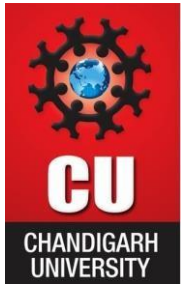
Plugx Id

8MXA49EJ4YHYW4B3

Copy Id

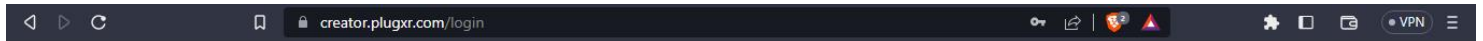
Share URL :





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PlugXR

**Transform Your Ideas into Reality with Our
No-Code AR/VR Creator**

Create and Publish



or



[Forgot password ?](#)

LOGIN


Not a member? [Sign Up for free](#)

*By logging in you agree to our [Terms of Use](#) and to receive PlugXR emails & updates and acknowledge that you read our [Privacy Policy](#).

3D



3D Model



All


All

Plug XR


Sketch Fab

User


Own Server




Tree3




Scene (35)




Basket




Online Shopping On Smar...




Shopping Bag




Coffee Maker



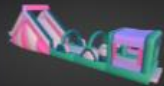
Rainbow Six Siege




Home Icon




Cartoon Building



Bounce House



House Sale Illustration



Mobile Icons App Collection

Upload 3D Model



☒ Add to My Assets

 **Upload glb**

(Supports .glb Format)

*Any issues while uploading, use our

Converter

Please Select 3D

Submit



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5. Result and Summary:

I have successfully designed AR object using plugXR platform. First I have made an object of my choice by using the PlugXR platform and then publishing it. After publishing with the help of QR scanner provided by the platform used, I viewed it in AR form.

6. Learning outcomes (What I have learnt):

1. I have learned about Augmented Reality.
2. I have learned about PlugXR platform.
3. I have learned about types of AR.

Evaluation Grid (To be filled by Faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Student Performance (task implementation and result evaluation)		12
2.	Viva-Voce		10
3.	Worksheet Submission (Record)		8
	Signature of Faculty (with Date):	Total Marks Obtained:	30