

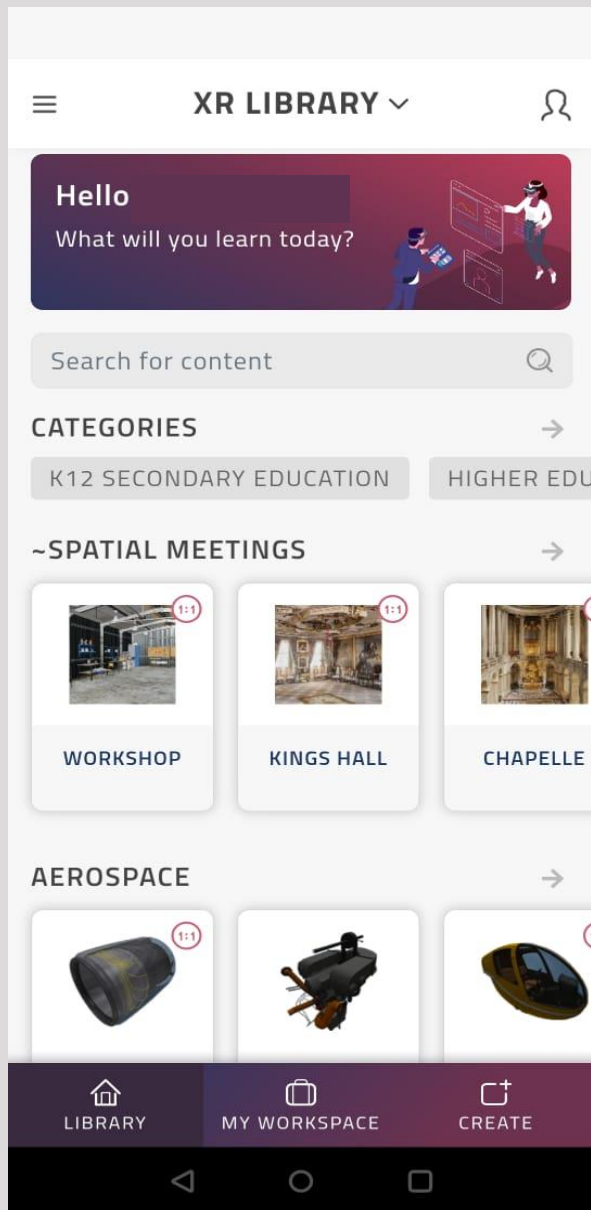


OCULUS QUEST -2 | For EON-XR v9.3

USER GUIDE

March 2022

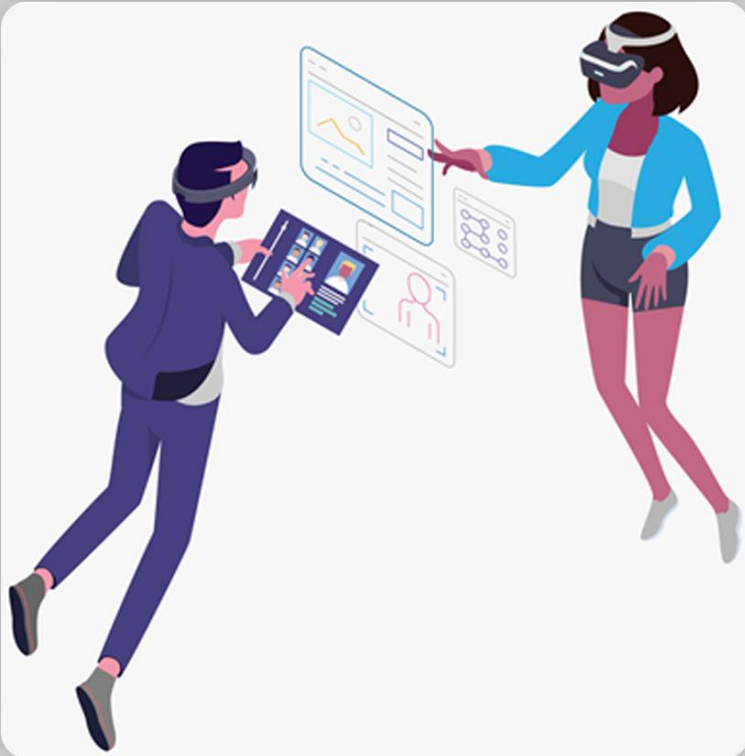
INTRODUCTION TO EON-XR PLATFORM	→	EON-XR PLATFORM FEATURES REGISTER AS FREEMIUM USER DESKTOP LOGIN DESKTOP LANDING PAGE MOBILE LOGIN MOBILE LANDING PAGE	OCULUS QUEST - 2 HARDWARE DEVICE EON-XR ON OCULUS QUEST - 2 OCULUS QUEST 2 - TOUCH CONTROLLER BUTTONS
EON-XR FOR OCULUS QUEST - 2	→		
EON-XR OCULUS LOBBY – FREEMIUM ACCESS & LOGIN	→	SIGN IN – ONE TIME PASSCODE ONE-TIME PASSCODE (LOBBY MENU) SWITCHING INSTITUTION	1. XRAY 2. EXPLODE 3. ANNOTATION 4. ANIMATION 5. ZOOM IN & ZOOM OUT 6. HOME 7. ENVIRONMENT 8. RESET 9. LEARNING OBJECTIVE 10. SCALING
EON-XR OCULUS QUEST 2 – RADIAL MENU INTERACTIONS	→		
MULTI USER			
EXIT EON-XR APPLICATION			



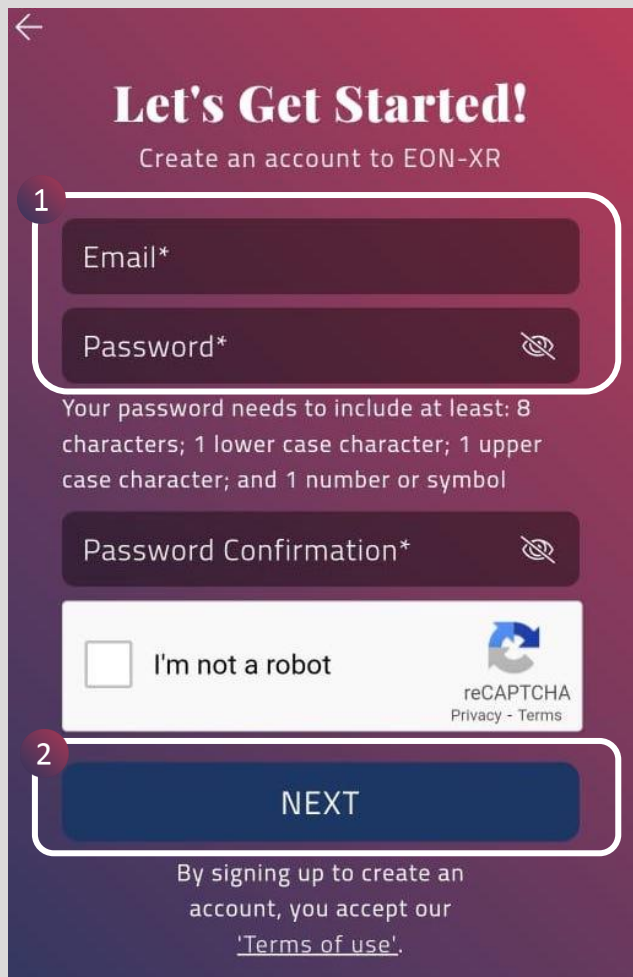
EON-XR Platform is based on EASI concept making Immersive Learning as **Effortless, Affordable, Self-Service and Interconnected**

EON-XR Platform allows for rapid development, deployment and adoption of AR/VR solutions with following approach:

- 1. Faster Learning** – Experiential Training provides real-time feedback and improves the efficiency of skills transfer, increased knowledge retention and better captures enterprise knowledge within institute/organization
- 2. Real-time Contextual Knowledge Injection** – With advanced AR technology, knowledge directly relevant to the task at the hand can be displayed right in front of a user's eyes resulting in a higher quality of work and improved learning
- 3. Safety** – Dangerous or difficult to replicate scenarios can be safely simulated in a VR/AR environment allowing students/trainees to repeatedly practice crucial scenarios while preventing damage to equipment and avoiding bodily harm
- 4. Greater Engagement** – Experiential Training requires the student/trainee to participate in the exercise resulting in higher retention as this by passes boredom and poor classroom habits that accompany traditional teaching
- 5. Assessment** – Students are evaluated based on their performance on the relevant grades and this data is transmitted to an institute's internal record keeping systems for certification and/or administrative action



1. **Cloud-Based** - Develop, manage, access, host, and distribute AVR applications anywhere with internet connection
2. **CAD/Model & Data Import** - CAD, PLM, and scanned models can all be imported, as well as data (IoT, GIS) and other media
3. **User-Generated Interaction Creation** - The AI-supported non-programming-based interaction creation is easy to use regardless of experience
4. **Global Publishing** - Support for 30+ devices ranging from Android and iOS smartphones to VR headsets from brands such as Oculus and Vive to AR glasses including ODG and Microsoft HoloLens
5. **Data Management** - Tools like assessments, analytics, user profiles, and LMS integration all help users get the data they need
6. **Content Integration** - Content and data can be managed using enterprise systems, streaming, IoT and AI capabilities



Let's Get Started!

Create an account to EON-XR

1

Email*

Password*

Your password needs to include at least: 8 characters; 1 lower case character; 1 upper case character; and 1 number or symbol

Password Confirmation*

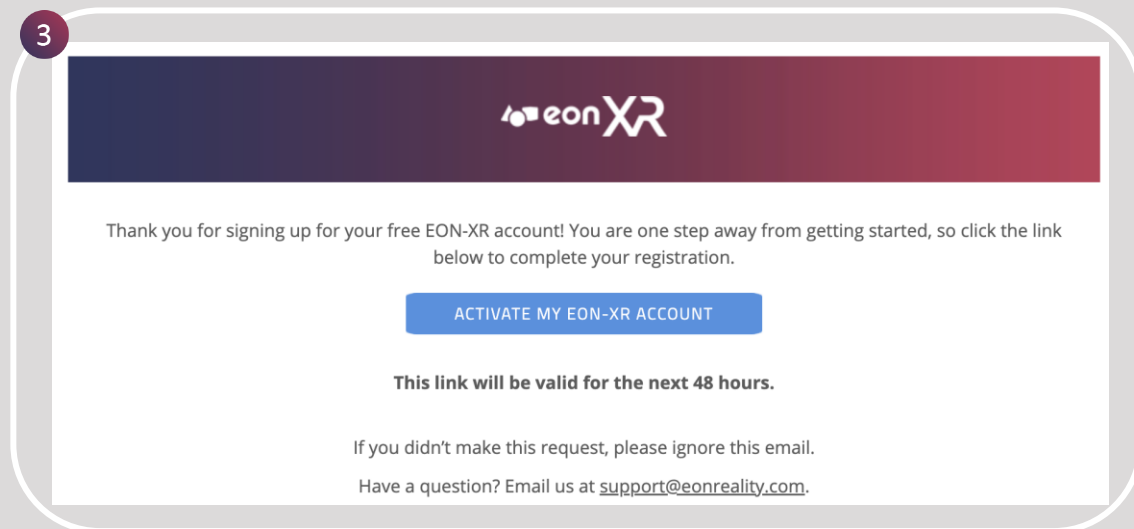
☐ I'm not a robot

reCAPTCHA
Privacy - Terms

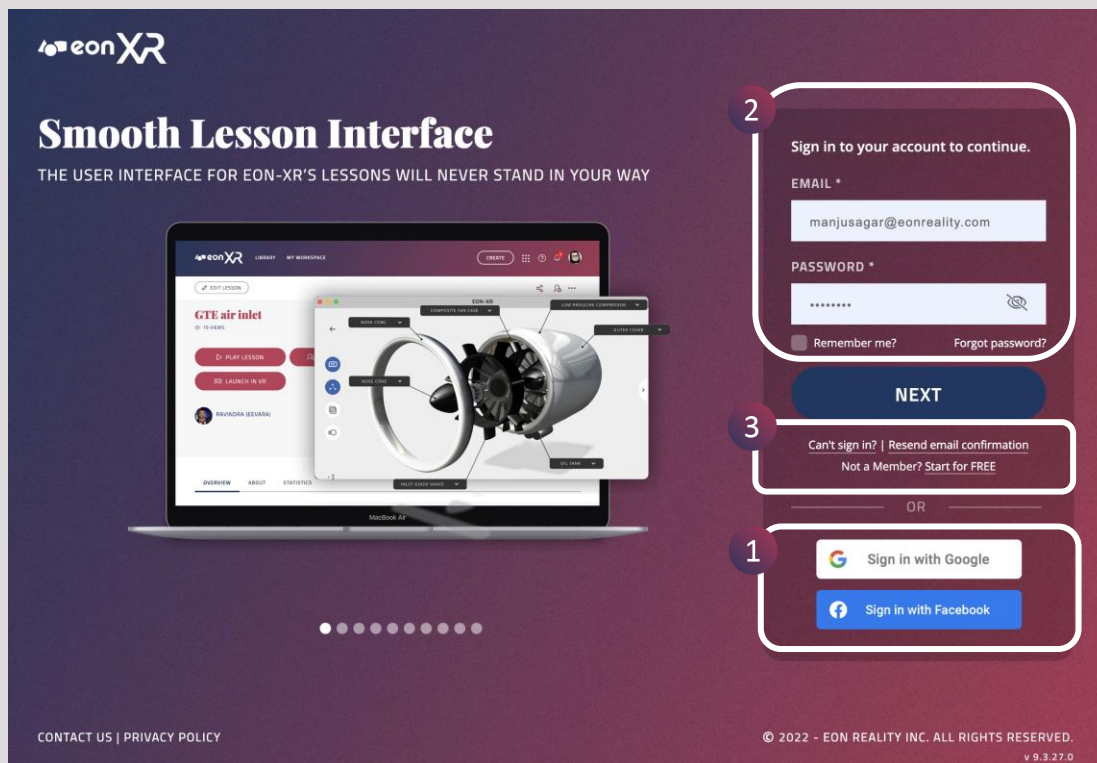
2

NEXT

By signing up to create an account, you accept our ['Terms of use'](#).

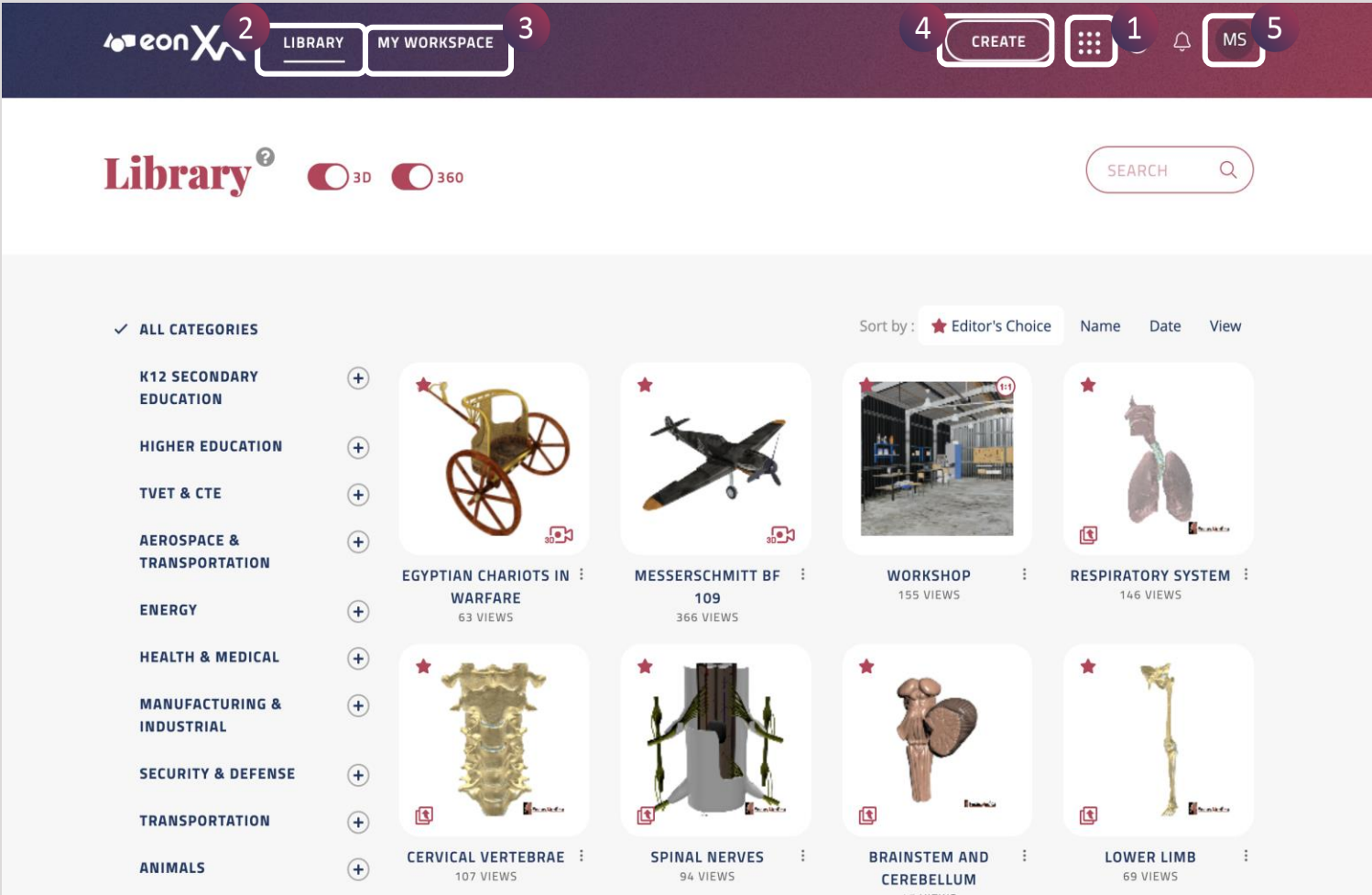


1. When you are trying for **Free**, you will need to register using your email credentials and agree to the **Terms and Conditions** and then Proceed with next.
2. Click on "Next"
3. Check your email for the link sent and finalize your registration details and activate your account, Post which you can login to the platform



You can access XR Platform as either of the two users:

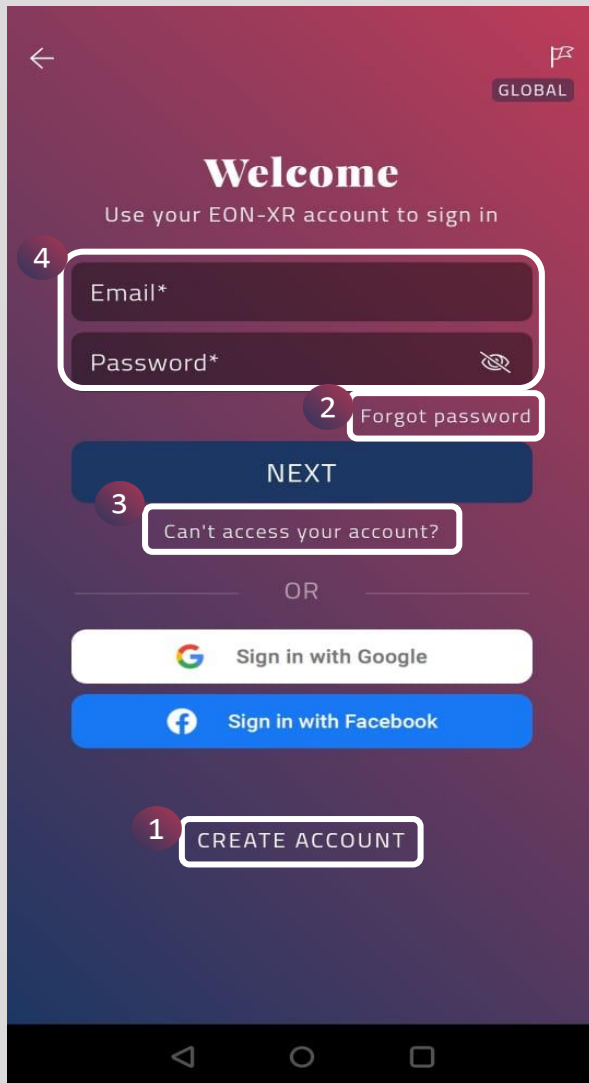
- Individual user for evaluation purpose
 - Registered institute user (provided you've been assigned license by your institute)
1. When you are logging into XR Platform for the first time, you need to register/Sign in. You can do it by using either of these ways:
 - Any of your email ID by registering it
 - Your Google account
 - Your Facebook account or
 2. Evaluation Users can “Start for Free”, and you will access XR Platform as a Freemium User. Under this Freemium account, you can access the wide variety of Assets and can create **5 (Five)** Free Lessons
 3. If you have issues logging in, you can reach out to our Support team by clicking **Can't sign in?** option



The screenshot shows the EON-XR desktop landing page. At the top is a dark blue navigation bar with the EON-XR logo (1), a 'LIBRARY' button (2), a 'MY WORKSPACE' button (3), a 'CREATE' button (4), a grid icon (1), a bell icon, and an 'MS' button (5). Below the navigation bar is a white header area with the 'Library' title (2), 3D and 360 view toggles, and a search bar. The main content area features a left sidebar with category filters (ALL CATEGORIES, K12 SECONDARY EDUCATION, HIGHER EDUCATION, TVET & CTE, AEROSPACE & TRANSPORTATION, ENERGY, HEALTH & MEDICAL, MANUFACTURING & INDUSTRIAL, SECURITY & DEFENSE, TRANSPORTATION, ANIMALS) and a grid of 3D models. The models are arranged in two rows of four. The first row includes 'EGYPTIAN CHARIOTS IN WARFARE' (63 VIEWS), 'MESSERSCHMITT BF 109' (366 VIEWS), 'WORKSHOP' (155 VIEWS), and 'RESPIRATORY SYSTEM' (146 VIEWS). The second row includes 'CERVICAL VERTEBRAE' (107 VIEWS), 'SPINAL NERVES' (94 VIEWS), 'BRAINSTEM AND CEREBELLUM' (15 VIEWS), and 'LOWER LIMB' (69 VIEWS). Each model card has a star icon and a 3D camera icon. The grid is sorted by 'Editor's Choice'.

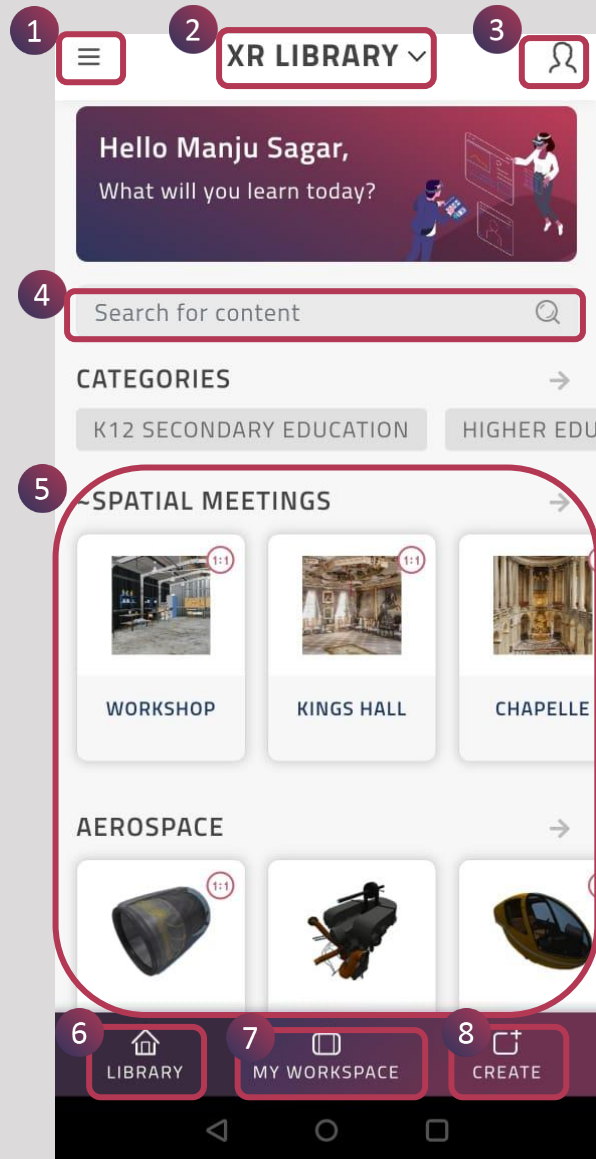
The **EASI MODE** home page has 5 main navigations:

1. Bento Menu
2. Library
3. My Workspace
4. Create Lesson
5. Profile Menu



You can also access XR Platform using your smart phone – either as an individual user for evaluation purpose or as a registered institute user (provided you've been assigned license by your institute)

1. If you do not have a registered email ID, you can Create New Account and then login to Platform
2. You can reset your Password, using **Forgot Password** option
3. If you have issues logging in, you can reach out to our Support team by clicking **Can't access your account?** option
4. If you are an already registered user or you've been assigned by your institute, you can login using your registered email ID & Password



This is the **home page** after a successful login to the creator AVR mobile app.

1. Hamburger Menu
2. Switch Institute
3. Profile
4. Search for content
5. Content Area
6. Library
7. My Workspace
8. Create

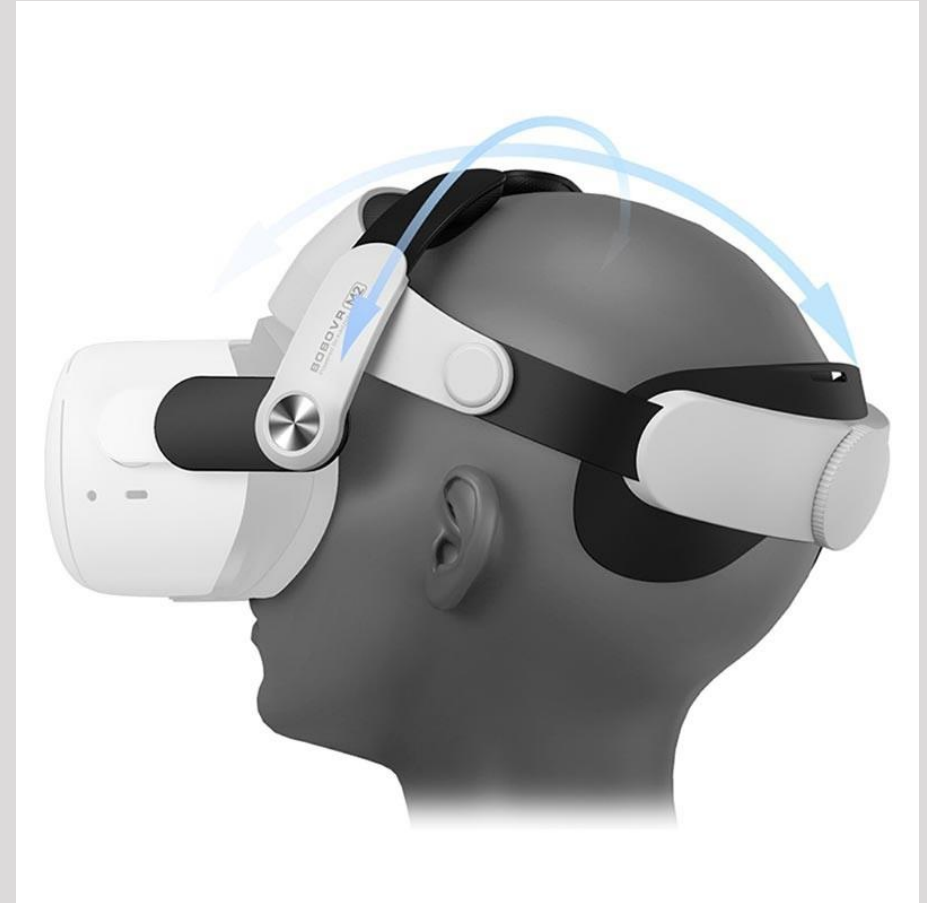


1. Oculus Quest – 2 provides you to experience your EON-XR lessons in Virtual Reality mode and allows you to **Play** and **Manage** through Mobile VR

2. Installing application: Go to Oculus Store and Search for EON-XR (as shown in image 1) and install to your Quest



Oculus Quest 2 – is a Virtual reality headset running as both a standalone headset with an internal android-based operating system, and with Oculus-compatible VR software running on a desktop computer when connected over USB or WI-FI



EON-XR : Users can interact with and learn by utilizing 3D models and environments in an unforgettable virtual reality experience. Lessons can be played on **Oculus Quest headset** to provide a full “hands-on” learning and training for students and employees



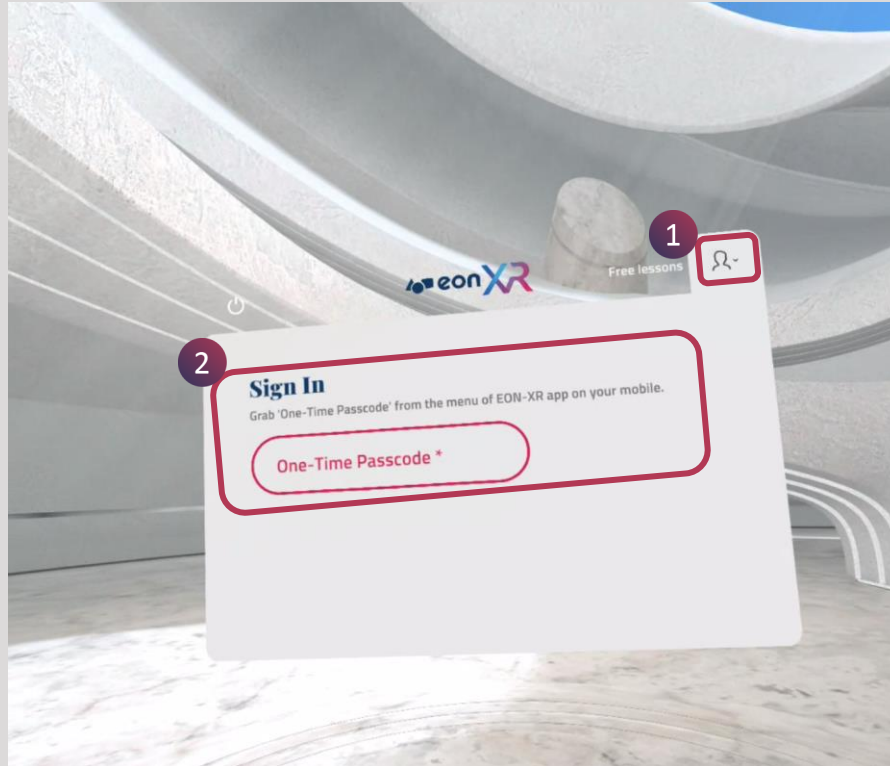
Oculus Touch controllers are a pair of tracked controllers that give you hand presence – the feeling that your virtual hands are your own

- **Thumbsticks** navigate your virtual environment
- **Trigger** buttons select objects in your environment
- **Oculus** button brings up the universal menu. You can also press and hold oculus button to recenter your headset view
- **Grip Button** grabs object or makes a fist when using your virtual hands

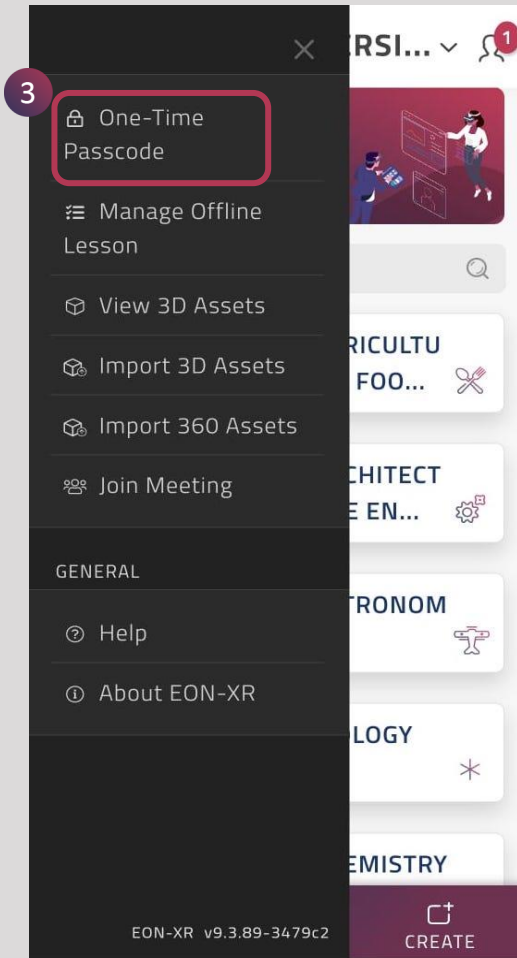


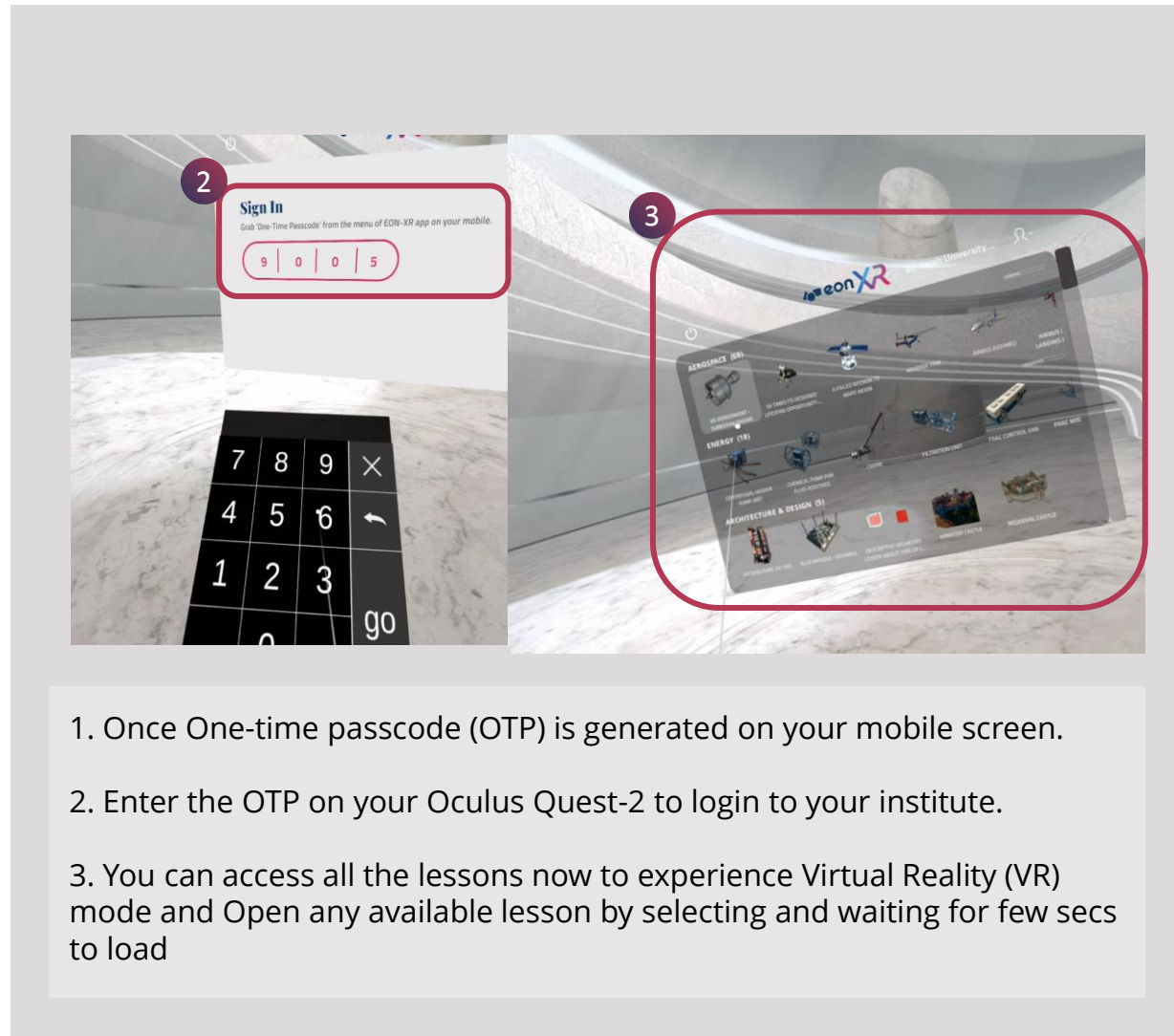
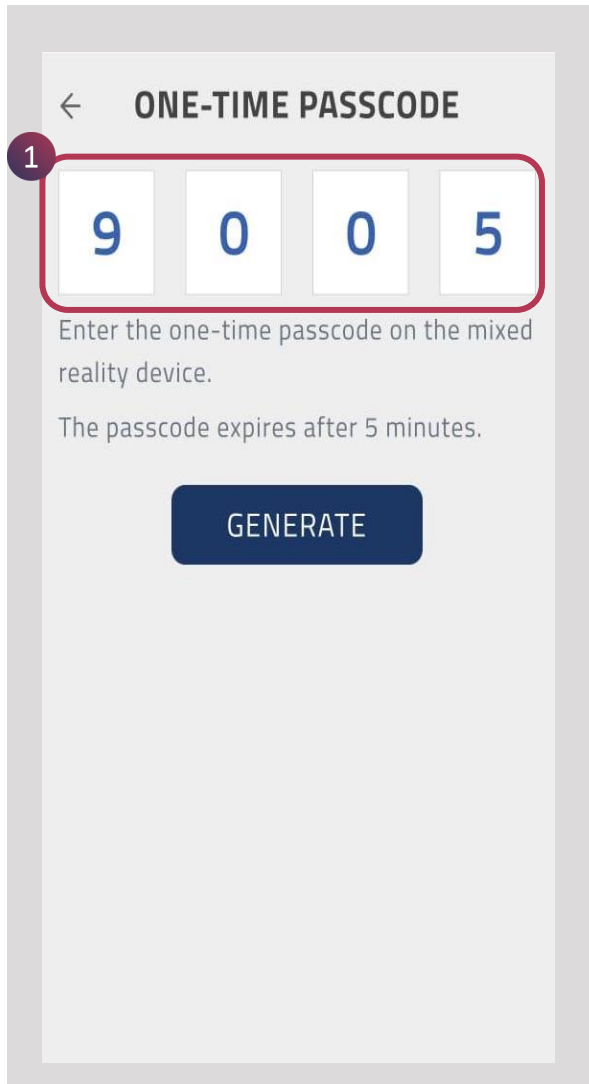
Once EON-XR is downloaded and installed on your Quest, you can open the EON-XR application and see the following page with free lessons

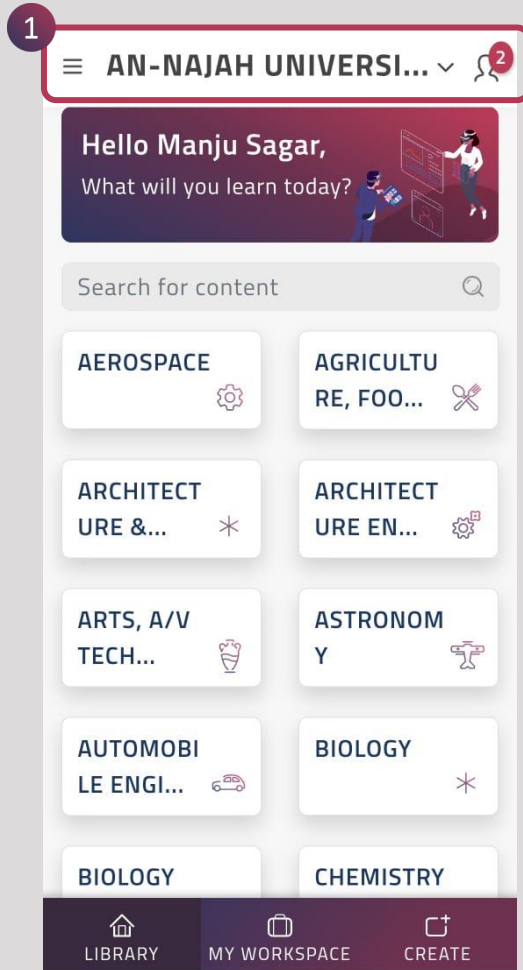
1. Free Lessons
2. Lesson categorization and respective lessons under that



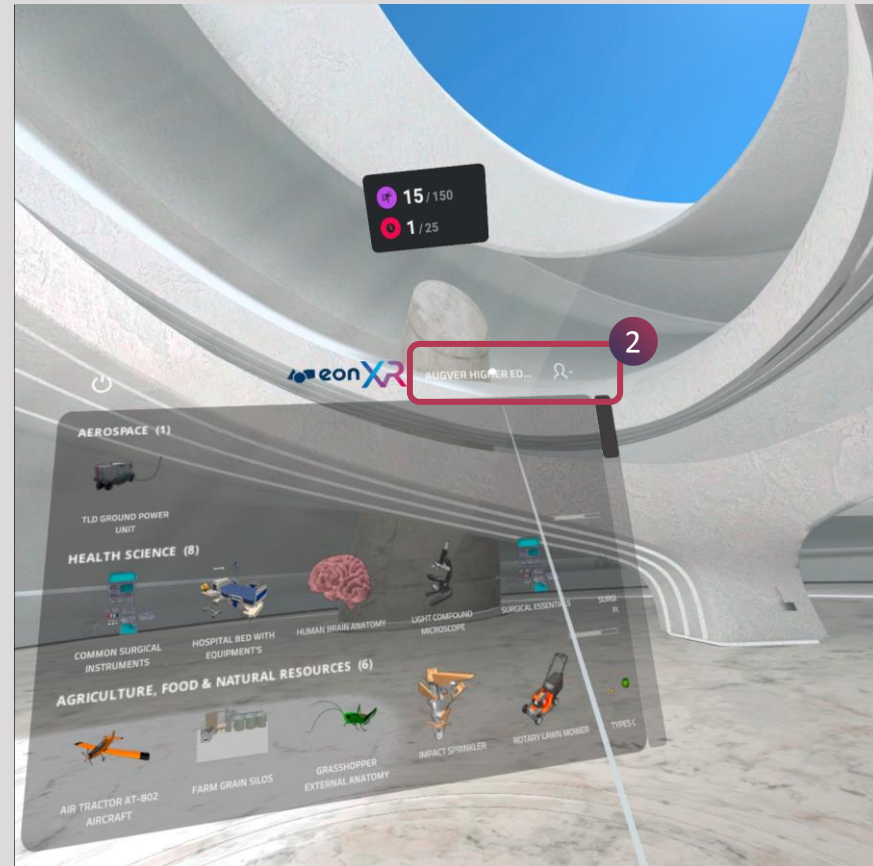
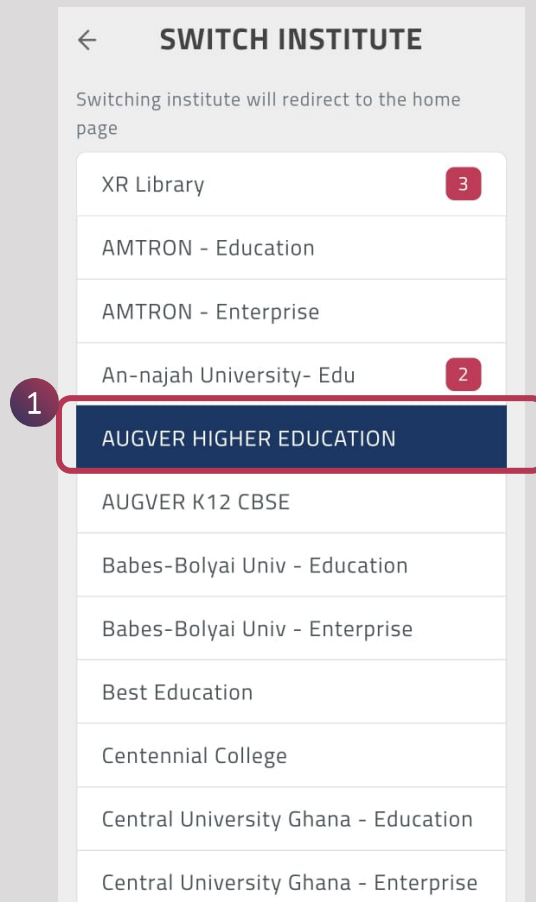
1. Click on the profile Icon
2. Enter one-time passcode, you may get this one-time passcode from your EON-XR mobile application.
3. Click on the Hamburger menu on your EON-XR mobile app and click on the One-time passcode (as shown in fig)



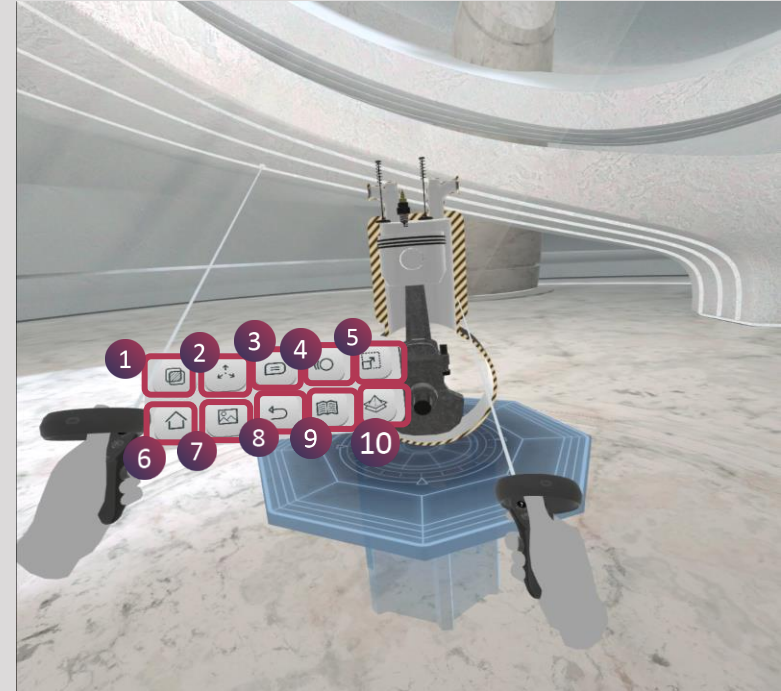




1. If you want to change the institution, Go back to your application on Cell phone and click on the institute name (as shown in figure)
2. The institute will also be changed on the Oculus Quest – 2 (as shown in fig)



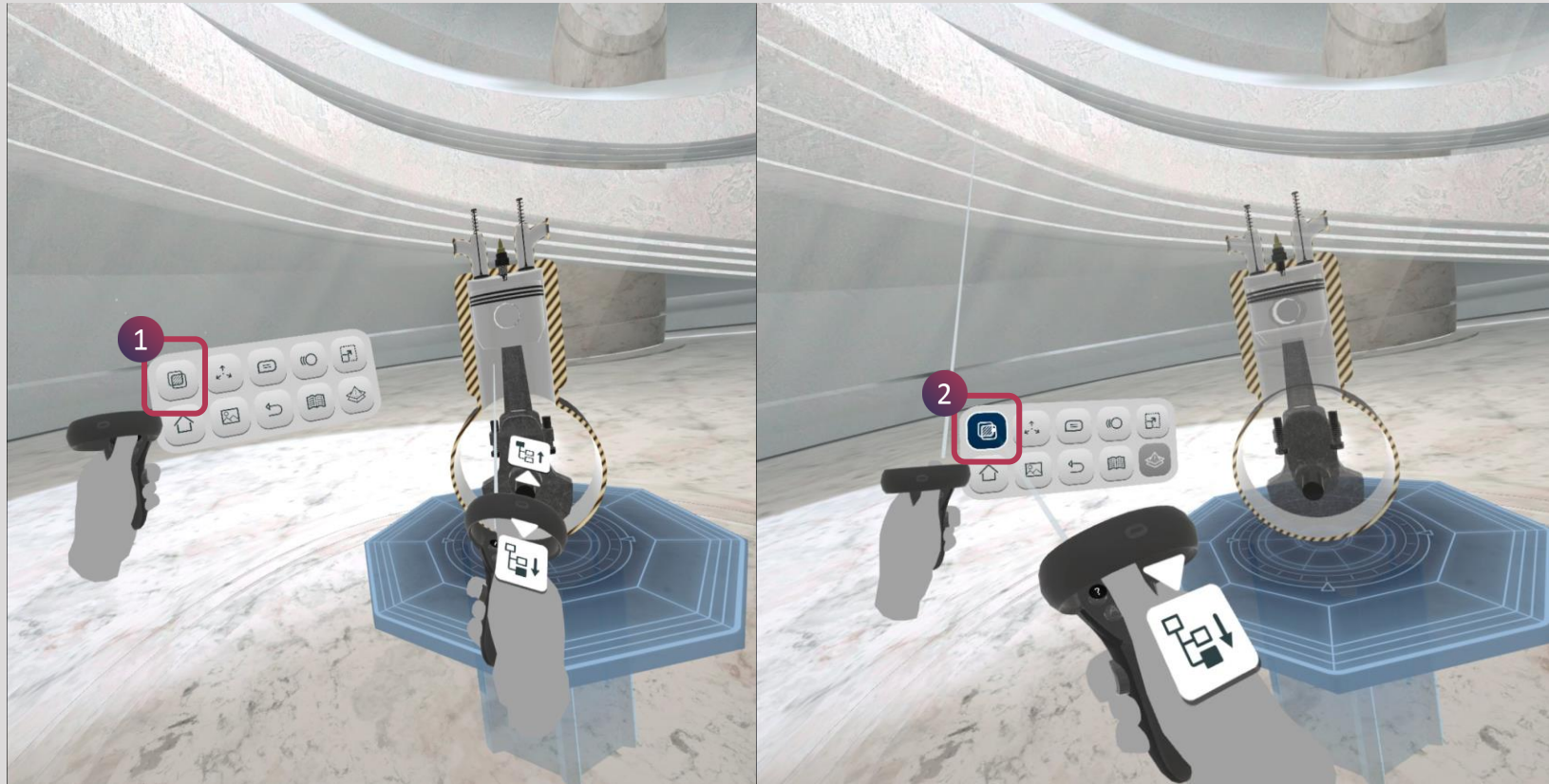
1. Now, you can select any institute which you have access for (as show in fig)
2. The institute also changes in the Quest (exit and launch the app again)



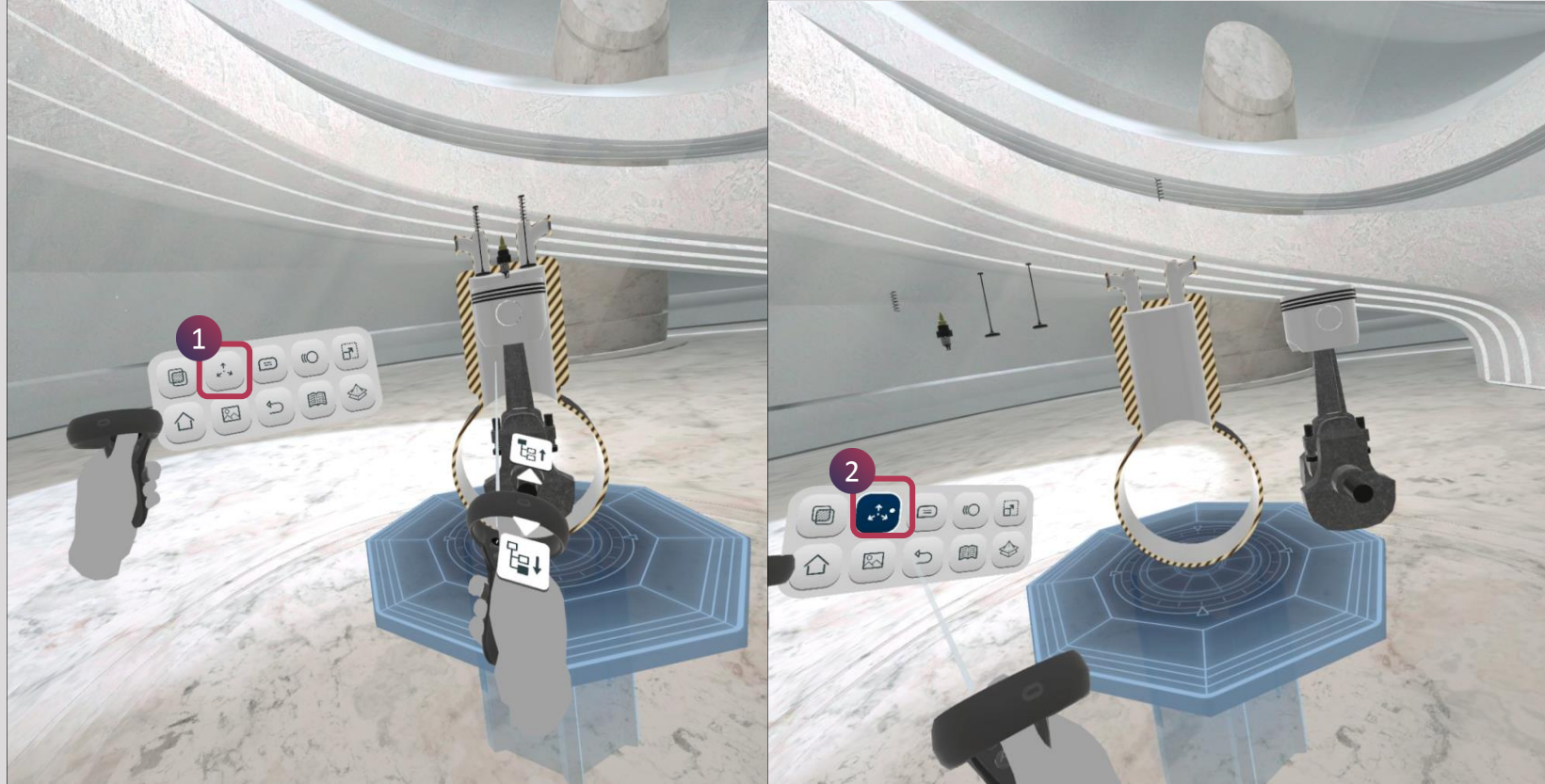
EON-XR has menu interaction buttons to explore the lessons, (as shown in the image)

1. X-RAY
2. EXPLODE
3. ANNOTATIONS
4. ANNIMATIONS
5. ZOOM IN & ZOOM OUT

6. HOME
7. ENVIRONMENT
8. RESET
9. LEARNING OBJECTIVE
10. SCALING



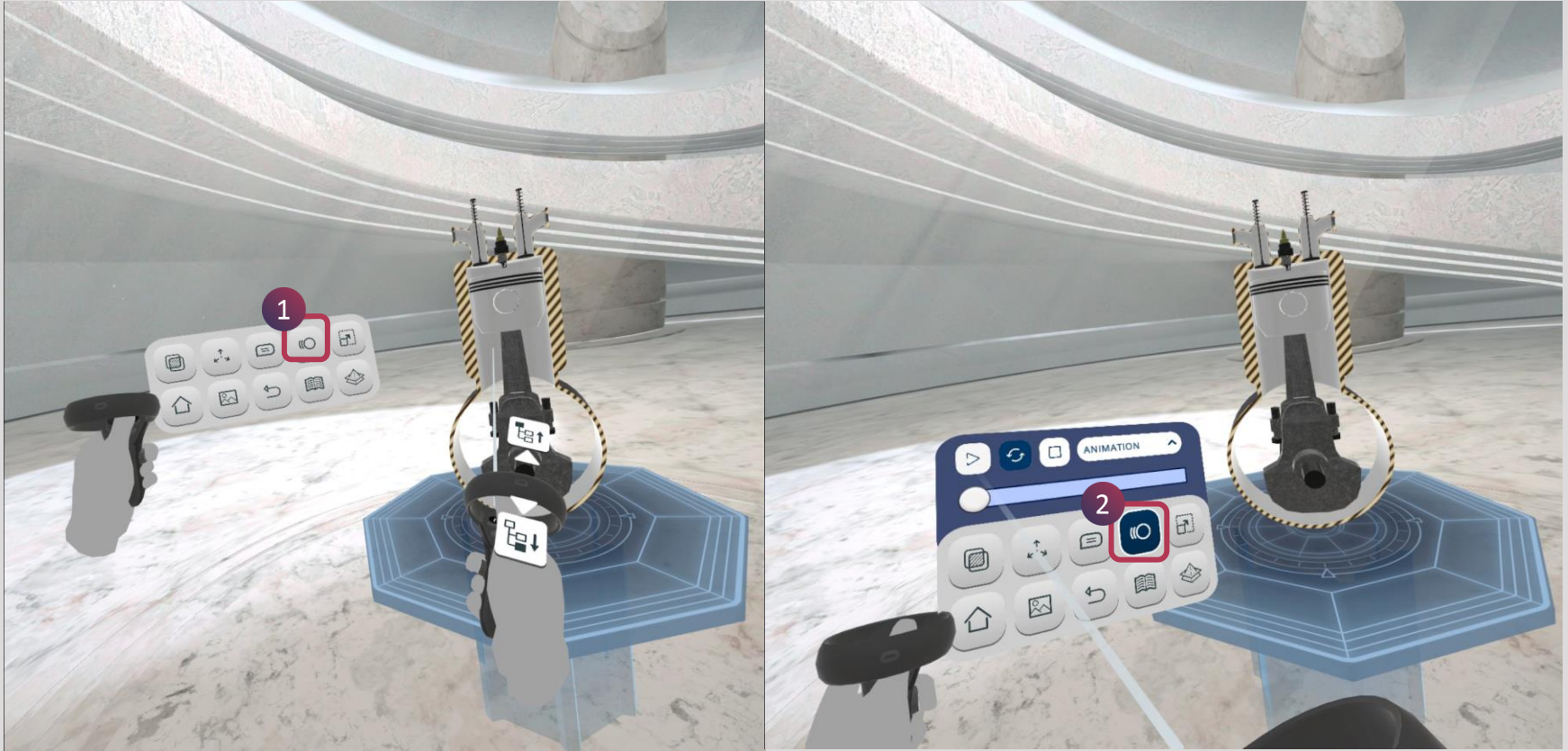
1. X-Ray option is Disabled / Off
2. X-Ray Option is Enabled / On



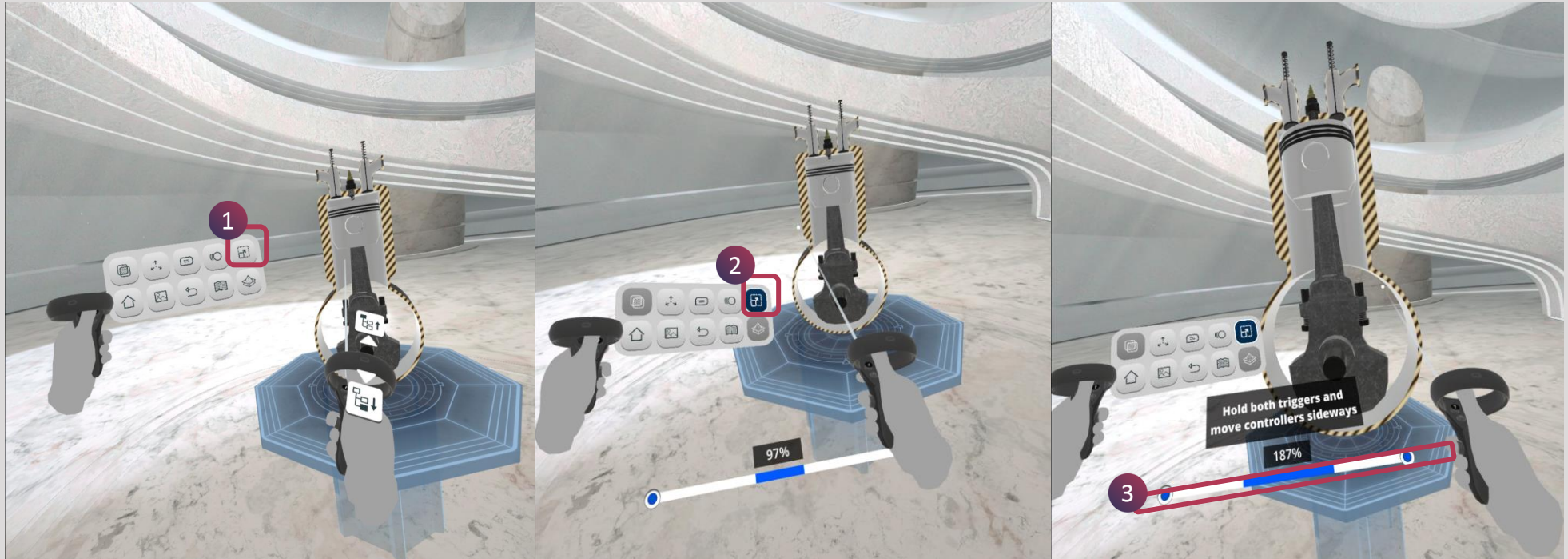
1. Explode Option is Disabled / Off
2. Explode Option is Enabled / On



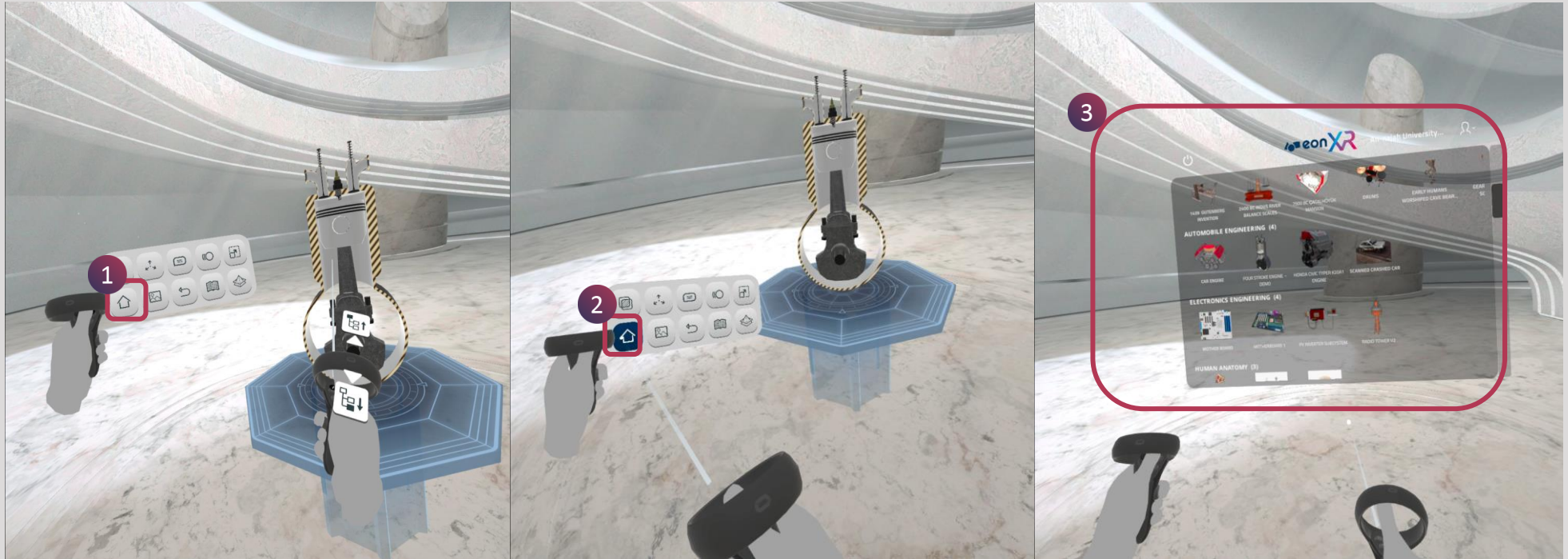
1. Annotation is Disabled / Off
2. Annotation is Enabled / On



1. Animations are Disabled / Off
2. Animation are Enabled / On



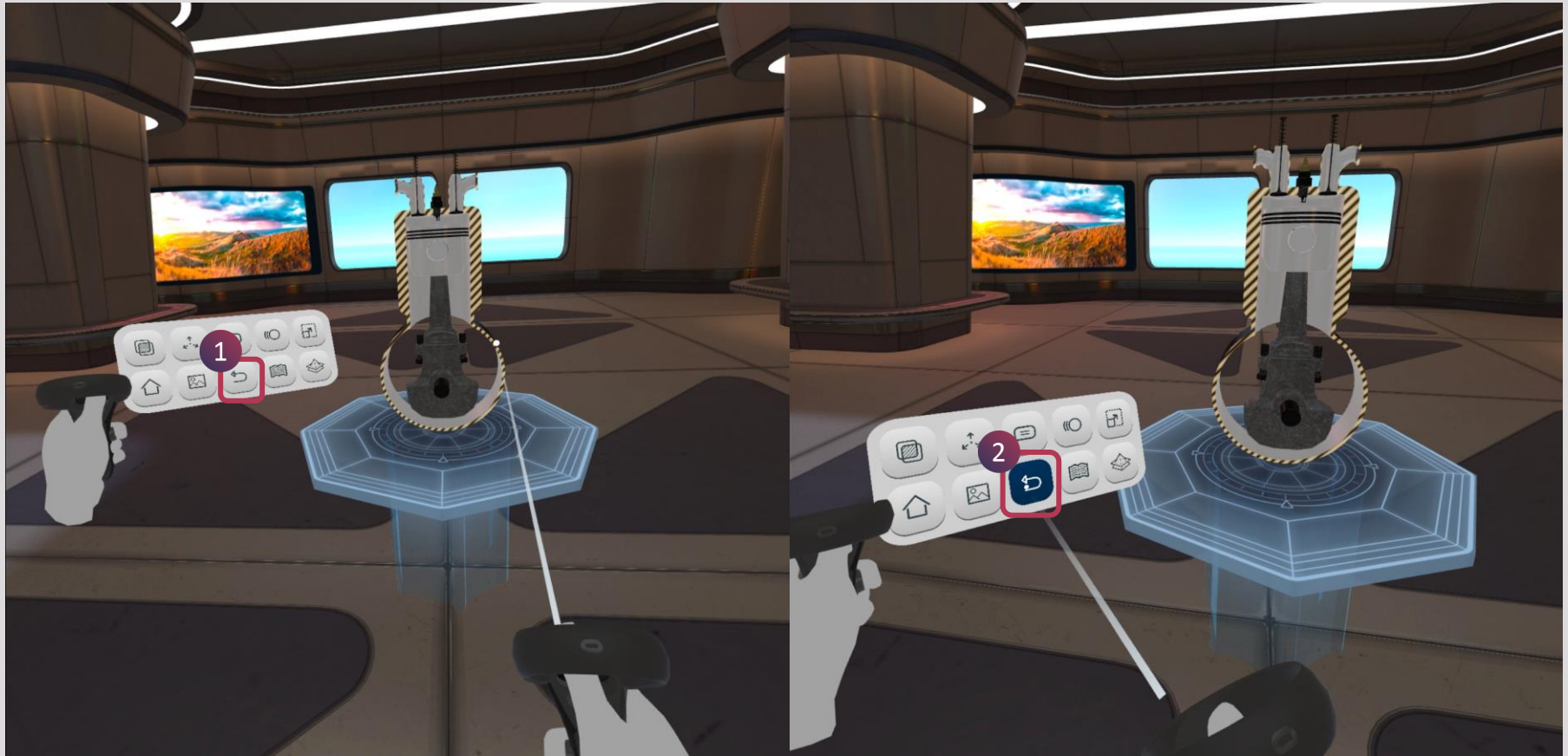
1. Scaling is Disabled / Off
2. Scaling is Enabled / On and By holding both triggers, move the controllers sideways away from you to do Zoom Out (as shown in fig – 97%)
3. By holding both triggers, move the controllers sideways towards you to do Zoom in (as shown in fig – 187%)



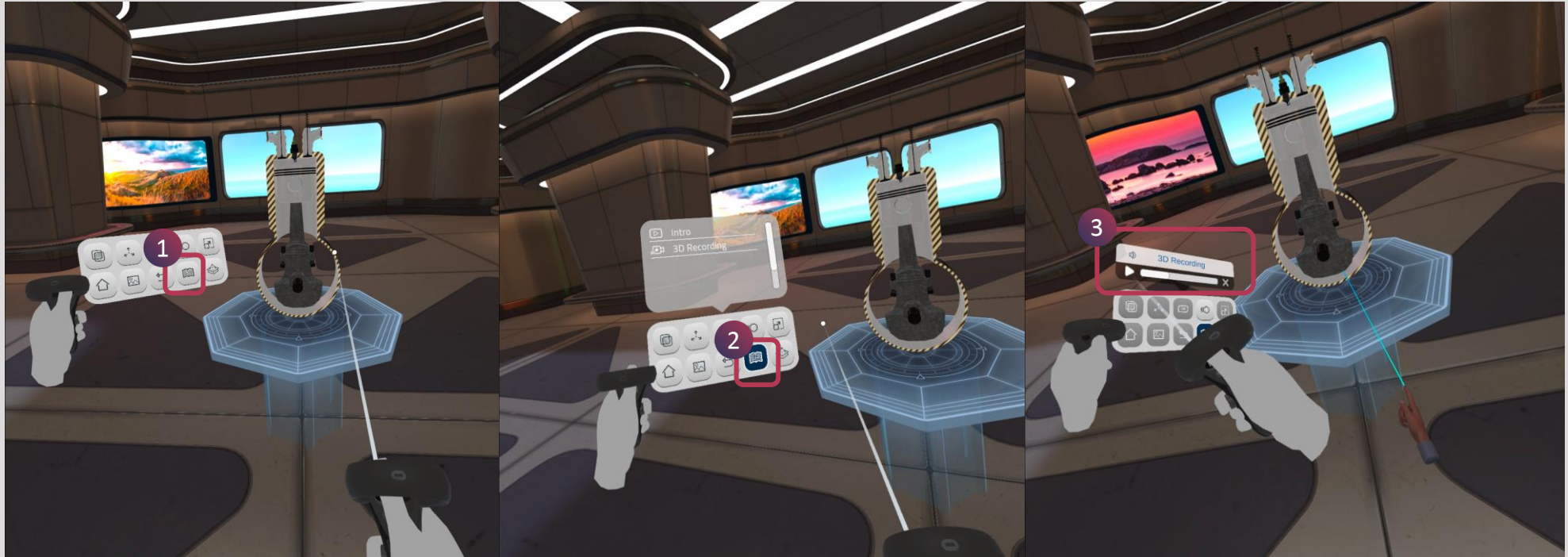
1. Home Option is Disabled / Off
2. Home Option is Enabled / On
3. Back to Institution home page



1. Environment is Disabled / Off
2. Environment is Enabled / On and there are few default environment, from which you can select any one with respect to your lesson



1. Reset is Disabled / Off
2. Reset is Enabled / On



1. Learning Objective is Disabled / Off
2. Learning Objective is Enabled / On and you can select any learning objective among all the available and explore the lesson
3. One of the Learning Objective - 3D recording is selected and playing



1. Scaling is Disabled / Off
2. Scaling is Enabled / On and different perspective of scaling is shown in the above figure



Multiuser option will be launching soon for Oculus Quest 2 Device



1. Click on the Power Button
2. Select Yes to close the EON-XR Application