

Vir2TEX Learner GUIDE

The Vir2TEX project partnership will develop new learning materials created by digital technologies for delivering high-quality education. The aim of the project is to integrate technology into courses to engage students in immersive learning experiences whether teaching in class or remotely.

This project explores the potential of virtual reality (VR) for deepening understanding and enhancing learner engagement by eliminating the screen and placing learners in the middle of real situations by utilizing VR 360 video. New learning materials enhanced for distance education about textile production will be developed for textile production steps from fiber to clothing.

The modules will be helpful for both vocational students and the new employers in the textile sector in order to decrease the orientation time of the new employers by combining immersive technologies and inspiring pedagogic content for the best learning results. It will also include the possible problems during production and offer various possibilities for distance learning.

Vir2TEX will have an immediate impact during the implementation stage on the students and the lecturers of partner organizations, and a lasting effect on various stakeholder groups. The impacts of Vir2TEX are;

- Vir2TEX will improve the learning and skill of students by putting them in the middle of real situations in an interactive learning platform, and also enable lecturers to transfer their knowledge to students via an innovative approach.

Vir2TEX will help participating organizations in widening their organization network they collaborate with. Close ties formed during the development and implementation of Vir2TEX will be a crucial opportunity for future collaborations in the same field.

On target groups;

- Textile vocational students engaged through dissemination activities and online channels will improve their awareness, knowledge and skills through the created innovative VLE. Professional progress of the students of the field will be supported and a higher level of education quality will be achieved via a developed interactive platform.
- Lecturers of the field will benefit from the developed innovative learning materials while transferring their knowledge to their students. Providing high-quality education while teaching a subject online which requires practice is difficult and challenging. This innovative approach will help teachers to receive the best learning results in vocational training.
- Private firms and new employees; The developed innovative learning platform will enhance the learning and awareness of new employees, therefore, shorten the orientation time.

Vir2Tex project is carried out by a strong partnership from Turkey, Poland, Italy, Romania



Ege University
Project Coordinator
Turkey



Yaşar University
Project Coordinator
Turkey



Eduexpert Sp z o.o.
Poland



**ALANYA HEP
ÜNİVERSİTESİ**

AHEP University
Turkey



ETN School
Italy



UPIT
Romania

The content for the Vir2Tex course is divided into 15 Modules. Each Module is presented in units. You can access the content by clicking on the title of the module. In each module, you can find the Aim of the Module, its Learning Outcomes (i.e. what you should be able to do after engaging with the modules), and access the Module's Content presented in units, where presentations and video lectures, together with definitions of concepts and links to recommended readings and videos are available. An optional self-assessment tool can help you review the module and evaluate your knowledge.

All learners are encouraged to make effective use of the course Discussion Forum to communicate and interact with others, reflecting and exchanging ideas on the recommended discussion topics. In each module, you can also find case studies as a showcase of real-life applications of the techniques and approaches covered in the module. You will be able to view all course content, at your own pace, so feel free to work ahead and complete this course around your schedule.

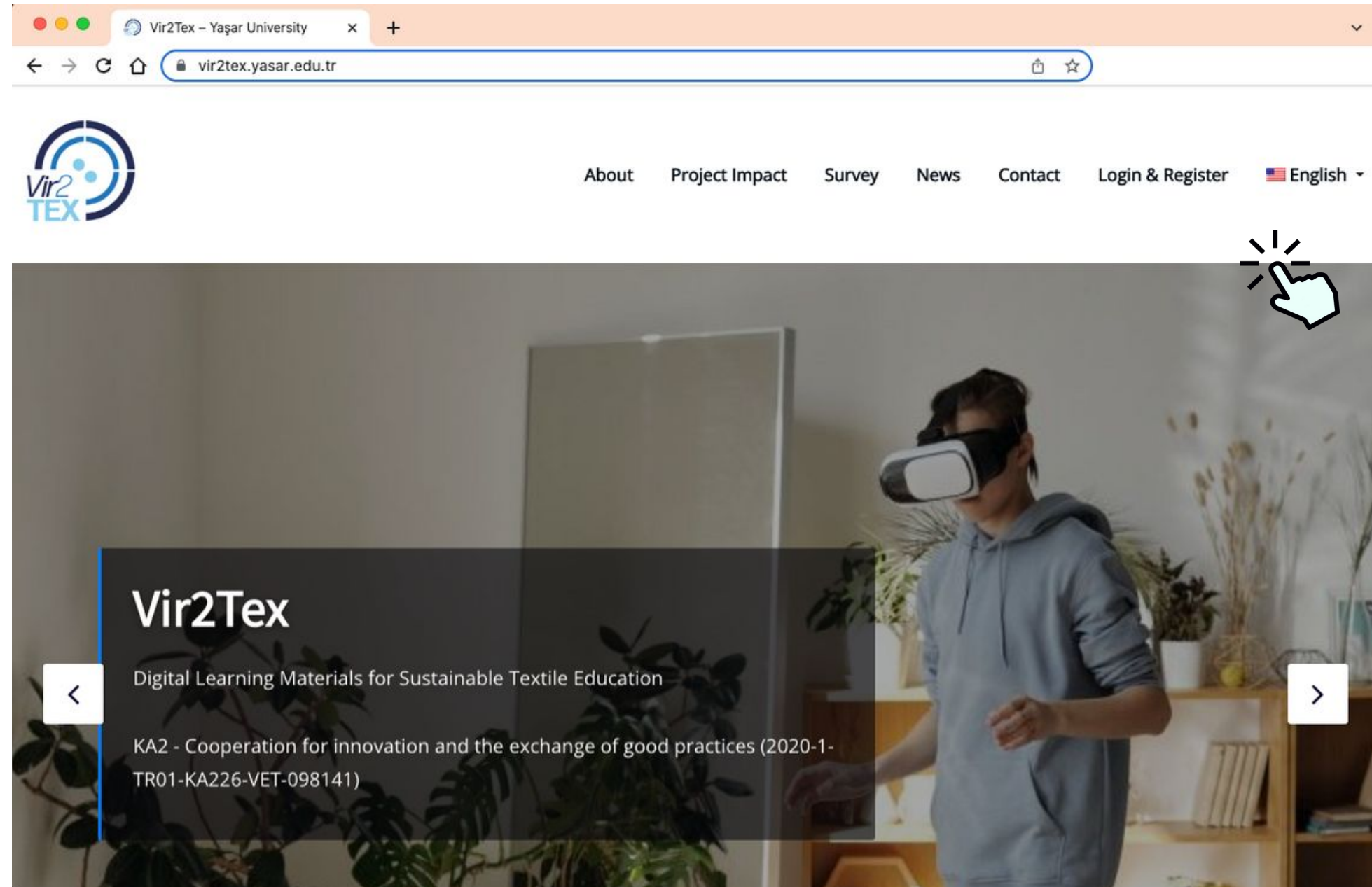
- Module 1 - Fiber Preparation
- Module 2 - Spinning Preparation
- Module 3 - Yarn Spinning
- Module 4 - Fabric Production
- Module 5 - Textile Finishing
- Module 6 - Textile Clothing

These modules summarize the learning and teaching methods that will be used within the module, ensuring an inclusive approach that enables you to demonstrate achievement of the intended learning outcomes and provide a structure to the knowledge and skills to be covered.

Vir2TEX LEARNER GUIDE

Vir2TEX Website

Open <https://vir2tex.yasar.edu.tr/> then click on Login & Register



Vir2TEX LEARNER GUIDE

Vir2TEX Website

Click on the Register button to go to the Register page.



[About](#) [Project Impact](#) [Survey](#) [News](#) [Contact](#) [Login & Register](#) [English](#) ▾

Log In to VLE

[Register](#)
[Forgot your password?](#)

Vir2TEX LEARNER GUIDE

Vir2TEX Website

Create a personalized password. For your security, this should be the first thing, since everyone starts with the same password.



[About](#) [Project Impact](#) [Survey](#) [News](#) [Contact](#) [Login & Register](#) [English](#) ▾


Name (required)

Surname (required)

Email (required)

Password (required)

Password Again (required)

[Send](#) 

Return to the login page after saving your information.



Name (required)

Surname (required)

Email (required)

Password (required)
....

Password Again (required)
....

[Send](#)


You are successfully registered. You can [login](#) now.



Write your email address and password to
Sign In



Log In to VLE

[Register](#) 
[Forgot your password?](#)

Your course site

Sakai

Home Navigation

Home

Vir2Tex

and Display

- Set or change your Profile image & password
- Phone number

Overview

OVERVIEW

Profile

Membership

Calendar

Resources

Announcements

Worksite Setup

Preferences

Account

Message Of The Day

Link

Help

Close

Options

Welcome,

Your *Home* displays course announcements, calendar, and message notifications and provide access to your individual account information and preferences.

The Site Navigation across the top of the screen allows to you access all of the course sites in which you are enrolled. Clicking on the *Sites* icon will display all of your active sites.

Click on the star icon (Add to Favorites) next to a site in the list to make it a favorite. This will add it to your persistent navigation buttons at the top of the screen. All of your selected favorites will appear in the navigation bar.

Hoşgeldiniz,

Anasayfa ders duyurularınızı, takvim ve mesaj bildirimlerinizi görüntüleyebileceğiniz, hesap bilgileriniz ve tercihlerinize erişebileceğiniz karşılama ekranıdır.

Ekranın üst kısmındaki Site Gezinti bölümü, kayıtlı olduğunuz derslere erişiminizi sağlar. Dersler simgesine tıkladığınızda tüm aktif derslerinizi görüntüleyebilirsiniz.

Dersler listesindeki bir sitenin yanındaki yıldız simgesine (Sık Kullanılanlara Ekle) tıklayarak dersinizi ekranın üst kısmındaki bölümde kalıcı hale getirebilirsiniz. Seçili tüm sık kullanılanlarınız üsteki gezinti menüsünde görünecektir.

Dilerseniz [Home > Preferences > Language](#) bölümünden Sakai Öğrenme Ortamı dilini [Türkçe](#) yapabilirsiniz.

«

Calendar

Link

Help

Options

Publish (private)

February 2023

<

Today

>

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	1	2	3	4

Recent Announcements

Link

Help

Announcements

(viewing announcements from the last 10 days)

Modules is a tool to organize resources, activities, and media on a single page. You can access course modules pages in this site as needed.

The screenshot displays the Vir2TEX website interface. On the left, a navigation menu lists: Modules (selected), Tests & Quizzes, Certification, Calendar, Announcements, Contact Us, and Site Info. The main content area is titled 'MODULES' and contains the following sections:

- Vir2Tex**
Digital Learning Materials for Sustainable Textile Education
The Vir2TEX project partnership will develop new learning materials created by digital technologies for delivering high-quality education. The aim of the project is to integrate technology into courses to engage students in immersive learning experiences whether teaching in class or remotely.
This project explores the potential of virtual reality (VR) for deepening understanding and enhancing learner engagement by eliminating the screen and placing learners in the middle of real situations by utilizing VR 360 video. New learning materials enhanced for distance education about textile production will be developed for textile production steps from fiber to clothing. The modules will be helpful for both vocational students and the new employers in the textile sector in order to decrease the orientation time of the new employers by combining immersive technologies and inspiring pedagogic content for the best learning results. It will also include the possible problems during production and offer various possibilities for distance learning.
- Project Impact**
Vir2TEX will have an immediate impact during the implementation stage on the students and the lecturers of partner organizations, and a lasting effect on various stakeholder groups. The impacts of Vir2TEX are:
 - Vir2TEX will improve the learning and skill of students by putting them in the middle of real situations in an interactive learning platform, and also enable lecturers to transfer their knowledge to students via an innovative approach.
 - Vir2TEX will help participating organizations in widening their organization network they collaborate with. Close ties formed during the development and implementation of Vir2TEX will be a crucial opportunity for future collaborations in the same field.
 - On target groups:
 - Textile vocational students engaged through dissemination activities and online channels will improve their awareness, knowledge and skills through the created innovative VLE. Professional progress of the students of the field will be supported and a higher level of education quality will be achieved via a developed interactive platform.
 - Lecturers of the field will benefit from the developed innovative learning materials while transferring their knowledge to their students. Providing high-quality education while teaching a subject online which requires practice is difficult and challenging. This innovative approach will help teachers to receive the best learning results in vocational training.
 - Private firms and new employees: The developed innovative learning platform will enhance the learning and awareness of new employees, therefore, shorten the orientation time.
- Project Partners**
Logos for Ege University (Project Coordinator Turkey), Yasar University (Project Coordinator Turkey), and Eduexpert Sp z o.o. (Poland) are shown.

On the right sidebar, the 'Vir2Tex Learning Modules' section lists 15 modules. An arrow points to 'Module 2 Spinning Preparation', which is labeled 'Module Pages'.

- Module 1: Fiber Preparation
- Module 2: Spinning Preparation
- Module 3: Yarn Spinning
- Module 4: Fabric Production
- Module 5: Textile Finishing
- Module 6: Textile Clothing

- Module Contents
- Click the link to Virtual Reality Experience
- Module Evaluation

The screenshot displays the Vir2TEX learner interface for Module 1. The page is titled "MODULES" and "Module 1". The left sidebar contains a navigation menu with options: Tests & Quizzes, Certification, Calendar, Announcements, Contact Us, and Site Info. The main content area is divided into three sections:

- 1. Module Content:** This section summarizes the learning and teaching methods. It includes links for "Cotton Storage and Sampling Method from Cotton Bale", "Blow Room", and "Tuft Feeding Unit and Carding Machine".
- 2. Immersive Virtual Reality Experience:** This section describes how to watch 360-degree videos for an immersive VR experience. It includes a link for "Click for the Immersive Virtual Reality Experience of Module 1: Fiber Preparation".
- 3. Self-Evaluation:** This section provides test questions to review the module. It includes a link for "Module-1 Self Assessment" and instructions to get feedback on answers and see statistics of other users' test results.

The page also features a "Back" button at the bottom left and a "Next" button at the bottom right. The top right corner contains utility buttons: Print view, Print all, Index of pages, Link, Help, and a close icon.

- Learning Contents (You will find Learner Guides and presentation slides in each of the modules)
- Aim of the module
- Learning Outcomes
- Definitions of Concepts
- Recommended Reading, Books and Videos

The screenshot displays the Vir2TEX interface for a module page. On the left is a navigation sidebar with the Vir2TEX logo and a 'Modules' section containing links for Tests & Quizzes, Certification, Calendar, Announcements, and Contact Us. The main content area is titled 'MODULES' and shows the current path: 'Modules > Module 1 > Cotton Storage and Sampling Method from Cotton Bale'. At the top right, there are utility buttons for Print view, Print all, Index of pages, Link, Help, and a close icon, along with 'Back' and 'Next' navigation buttons. The module title 'Module 1.1 Cotton Storage and Sampling Method from Cotton Bale' is followed by a detailed introductory paragraph. Below this, the page is divided into five numbered sections: 1. 'Lecture Presentation' showing a slide viewer with a thumbnail of a slide titled 'COTTON STORAGE AND SAMPLING METHOD FROM COTTON BALE'; 2. 'The aim of the module' with a paragraph of text; 3. 'Learning Outcomes' with a bulleted list of five objectives; 4. 'Definitions of Concepts' with definitions for Cotton bale, Blend Formula, Lint, Seed, HVI, and Cottonseed oil; 5. 'Recommended Reading' with a bulleted list of three references, 'Recommended Books' with three book titles, and 'Recommended Videos' with three video titles.

You can find all Assessments and Scores in this page

The screenshot shows the Vir2TEX Assessment Page interface. On the left is a navigation menu with the Vir2TEX logo and links for Modules, Tests & Quizzes (selected), Certification, Calendar, Announcements, Contact Us, and Site Info. The main content area is titled 'TESTS & QUIZZES' and includes a 'Link' and 'Help' button. Below this is the 'Assessments' section with a 'Take an Assessment' heading and a note that assessments are currently available. A table lists six self-assessments, each with a 10-minute time limit and no due date. Below the table is a 'Submitted Assessments' section with a note about feedback availability and a table showing recorded scores for each assessment. The table has columns for Title, Statistics, Recorded Score, and Feedback Available.

TESTS & QUIZZES [Link](#) [Help](#)

Assessments

Take an Assessment

The assessments listed below are currently available for you to take. To begin, click on the assessment title.

Display 20 assessments per page

Title	Time Limit	Due Date/Time
Module-1 Self Assessment	10 min	n/a
Module-2 Self Assessment	10 min	n/a
Module-3 Self Assessment	10 min	n/a
Module-4 Self Assessment	10 min	n/a
Module-5 Self Assessment	10 min	n/a
Module-6 Self Assessment	10 min	n/a

Showing page 1 of 1 [Previous](#) [1](#) [Next](#)

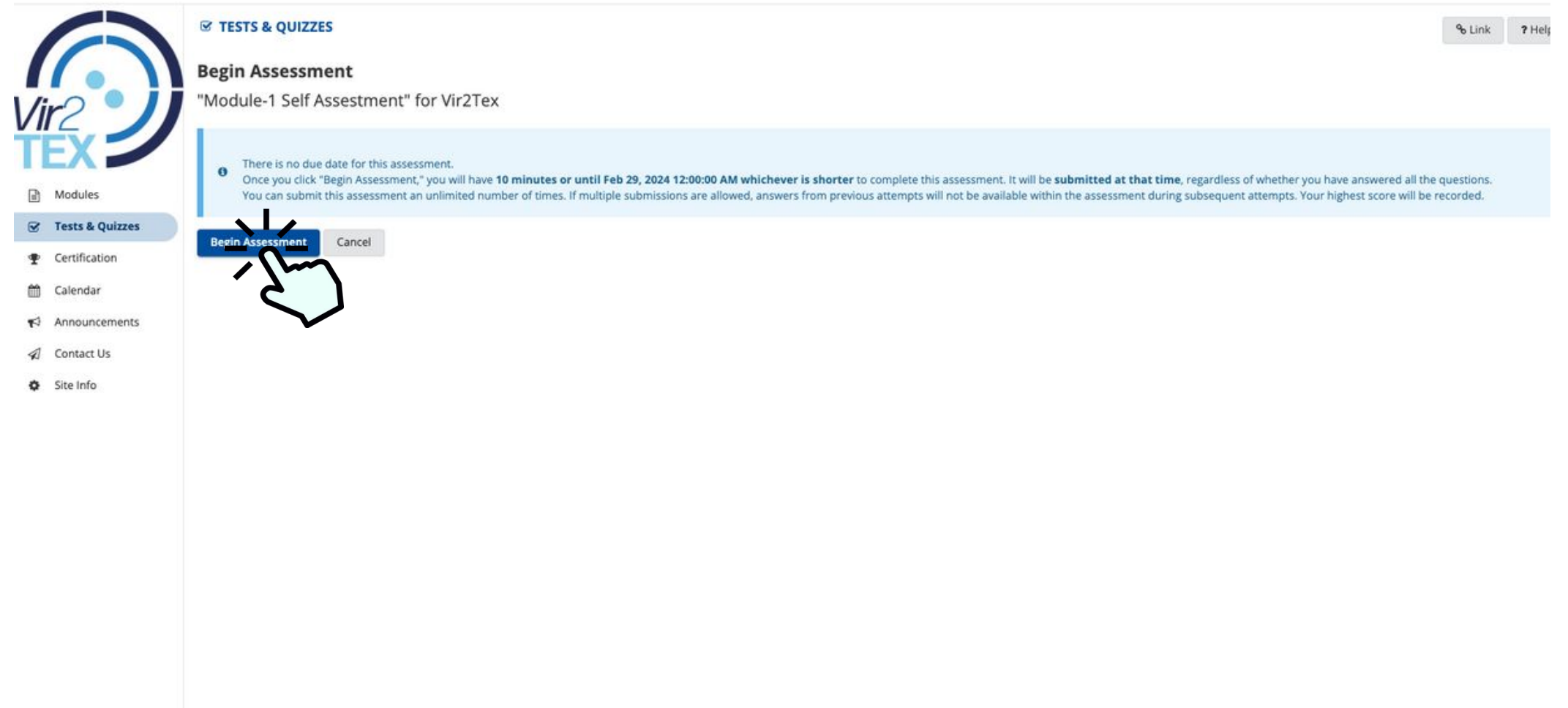
Submitted Assessments

You have completed the assessments listed below. Unless Feedback Available displays "n/a" (not applicable), feedback will be available at the time shown. If feedback is available for particular submissions, it will be seen under "View All Submissions/Scores".

[View All Submissions/Scores](#) [View Only Recorded Scores](#)

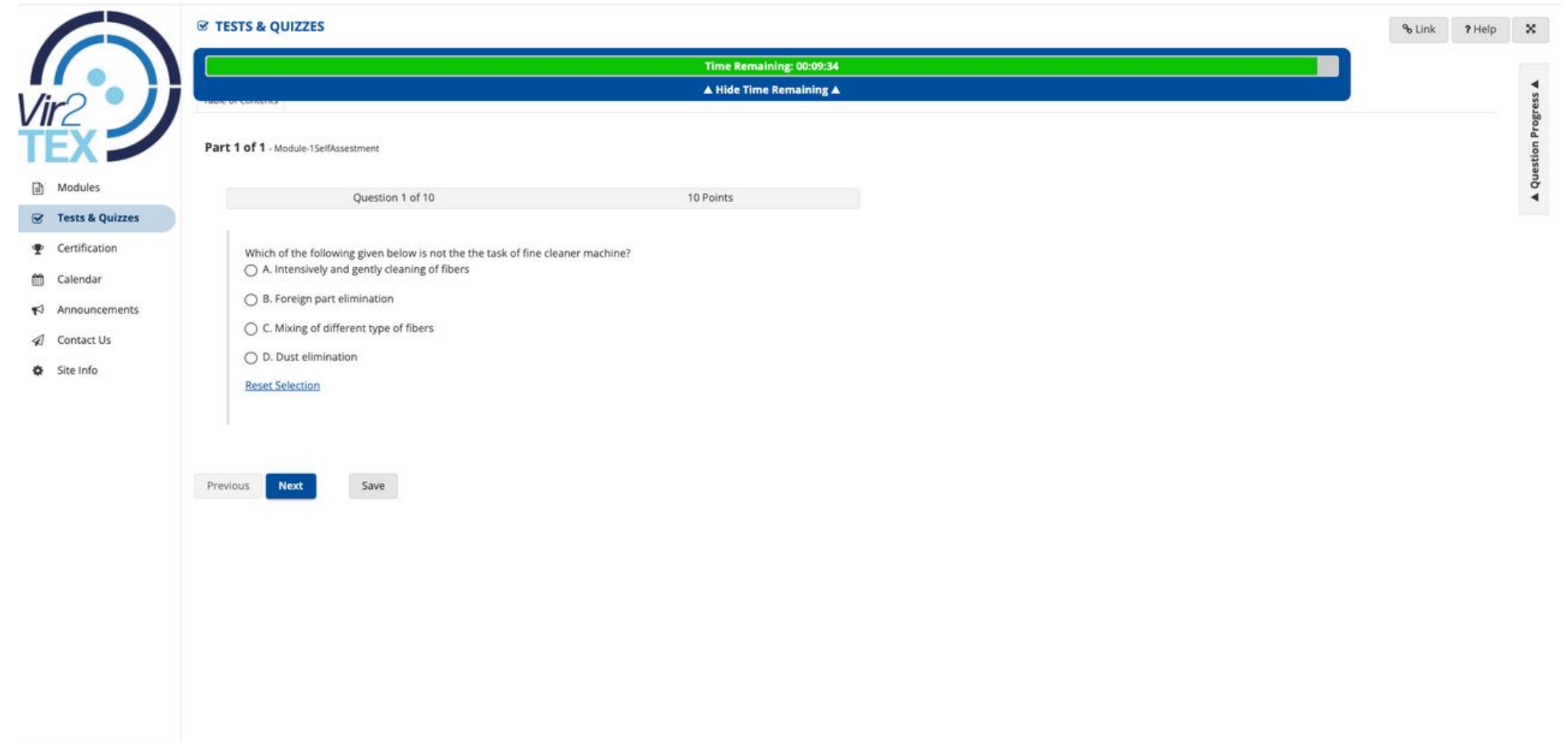
Title	Statistics	Recorded Score	Feedback Available
Module-1 Self Assessment	n/a	60 (Highest)	n/a
Module-2 Self Assessment	n/a	30 (Highest)	n/a
Module-3 Self Assessment	n/a	40 (Highest)	n/a
Module-4 Self Assessment	n/a	43.33 (Highest)	n/a
Module-5 Self Assessment	n/a	60 (Highest)	n/a
Module-6 Self Assessment	n/a	40 (Highest)	n/a

You can start the exam by clicking on the assessment you want to take.



The screenshot displays the Vir2TEX interface for starting an assessment. On the left is a navigation menu with the following items: Modules, Tests & Quizzes (highlighted), Certification, Calendar, Announcements, Contact Us, and Site Info. The main content area is titled "TESTS & QUIZZES" and "Begin Assessment" for "Module-1 Self Assessment" for Vir2Tex. A light blue information box contains the following text: "There is no due date for this assessment. Once you click 'Begin Assessment,' you will have **10 minutes or until Feb 29, 2024 12:00:00 AM whichever is shorter** to complete this assessment. It will be **submitted at that time**, regardless of whether you have answered all the questions. You can submit this assessment an unlimited number of times. If multiple submissions are allowed, answers from previous attempts will not be available within the assessment during subsequent attempts. Your highest score will be recorded." Below this text are two buttons: "Begin Assessment" (highlighted with a hand cursor) and "Cancel". In the top right corner, there are "Link" and "Help" buttons.

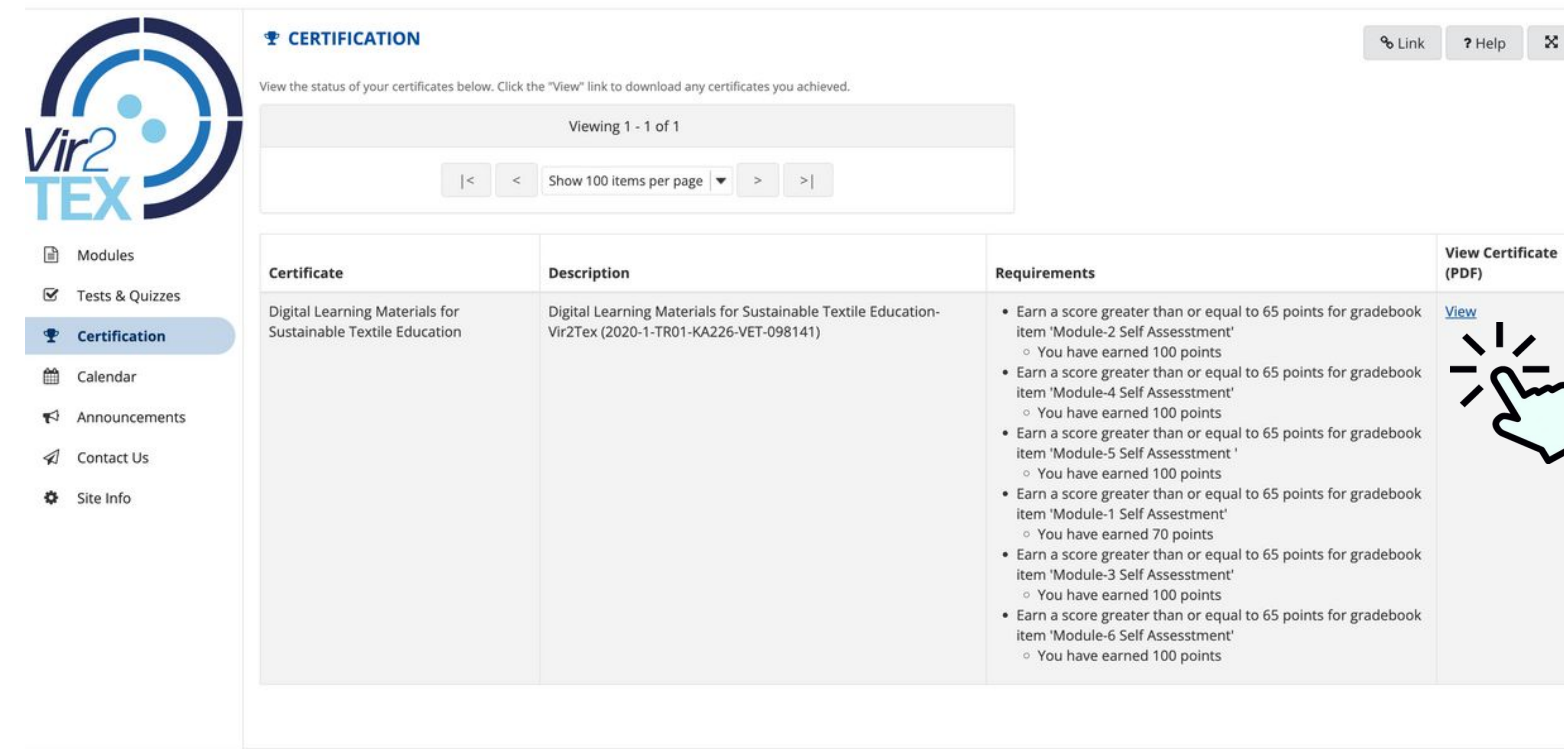
You have to finish the assesstment by answering the questions within the specified time.



The screenshot displays the Vir2TEX assessment interface. On the left is a navigation menu with the Vir2TEX logo and links for Modules, Tests & Quizzes (selected), Certification, Calendar, Announcements, Contact Us, and Site Info. The main content area is titled 'TESTS & QUIZZES' and features a green progress bar at the top indicating 'Time Remaining: 00:09:34'. Below the progress bar, the assessment is identified as 'Part 1 of 1 - Module-1SelfAssessment'. The current question is 'Question 1 of 10' worth '10 Points'. The question text is 'Which of the following given below is not the the task of fine cleaner machine?'. The options are: A. Intensively and gently cleaning of fibers, B. Foreign part elimination, C. Mixing of different type of fibers, and D. Dust elimination. A 'Reset Selection' link is provided below the options. At the bottom of the question area are 'Previous', 'Next', and 'Save' buttons. On the right side of the interface, there are 'Link', 'Help', and 'Question Progress' buttons.

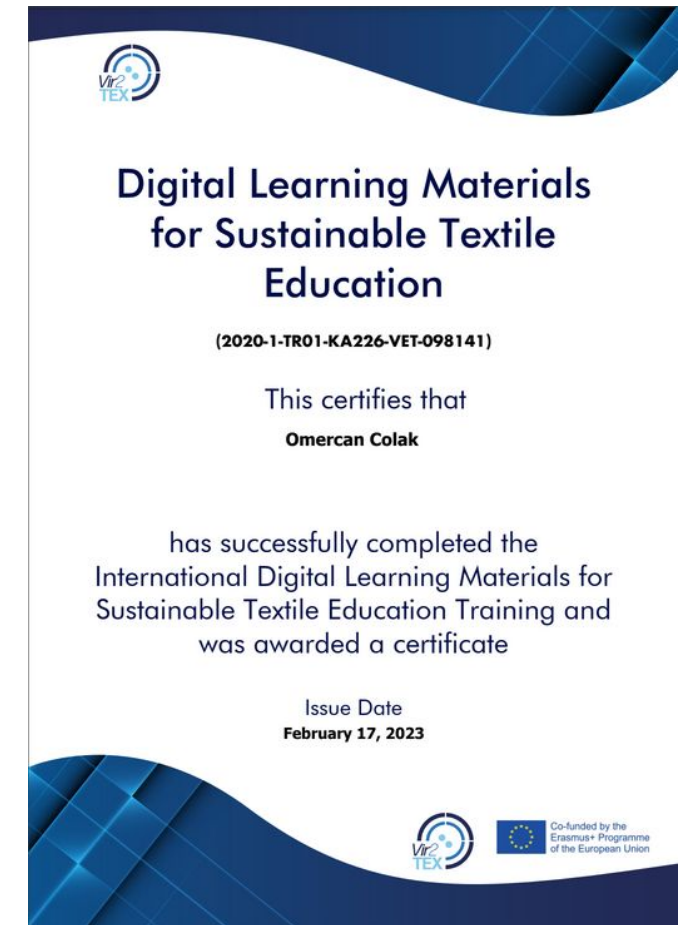
At the end of the each module these are the test questions that are very important to review the module and encourage users to think about the further application of principles learned in a specific module.

Participants who earn a score greater than or equal to 65 points for each self-assessment will be entitled to receive a certificate.



The screenshot shows the 'CERTIFICATION' page in the Vir2TEX system. It features a sidebar with navigation options: Modules, Tests & Quizzes, Certification (highlighted), Calendar, Announcements, Contact Us, and Site Info. The main content area displays a table of certificates. The table has four columns: Certificate, Description, Requirements, and View Certificate (PDF). A hand cursor is pointing to the 'View Certificate (PDF)' link for the first certificate.

Certificate	Description	Requirements	View Certificate (PDF)
Digital Learning Materials for Sustainable Textile Education	Digital Learning Materials for Sustainable Textile Education- Vir2Tex (2020-1-TR01-KA226-VET-098141)	<ul style="list-style-type: none">Earn a score greater than or equal to 65 points for gradebook item 'Module-2 Self Assessment'<ul style="list-style-type: none">You have earned 100 pointsEarn a score greater than or equal to 65 points for gradebook item 'Module-4 Self Assessment'<ul style="list-style-type: none">You have earned 100 pointsEarn a score greater than or equal to 65 points for gradebook item 'Module-5 Self Assessment'<ul style="list-style-type: none">You have earned 100 pointsEarn a score greater than or equal to 65 points for gradebook item 'Module-1 Self Assessment'<ul style="list-style-type: none">You have earned 70 pointsEarn a score greater than or equal to 65 points for gradebook item 'Module-3 Self Assessment'<ul style="list-style-type: none">You have earned 100 pointsEarn a score greater than or equal to 65 points for gradebook item 'Module-6 Self Assessment'<ul style="list-style-type: none">You have earned 100 points	View





Immersive
Virtual Reality
Experience
User Guide

To watch a 360-degree video clips, one can use a laptop, a web browser, a mobile phone, or a VR headset. The ways to play a 360-degree video clip on them varies from one to other. We will introduce each of them in this article, so you can load your created work to a device and have a look from a viewer's eye.

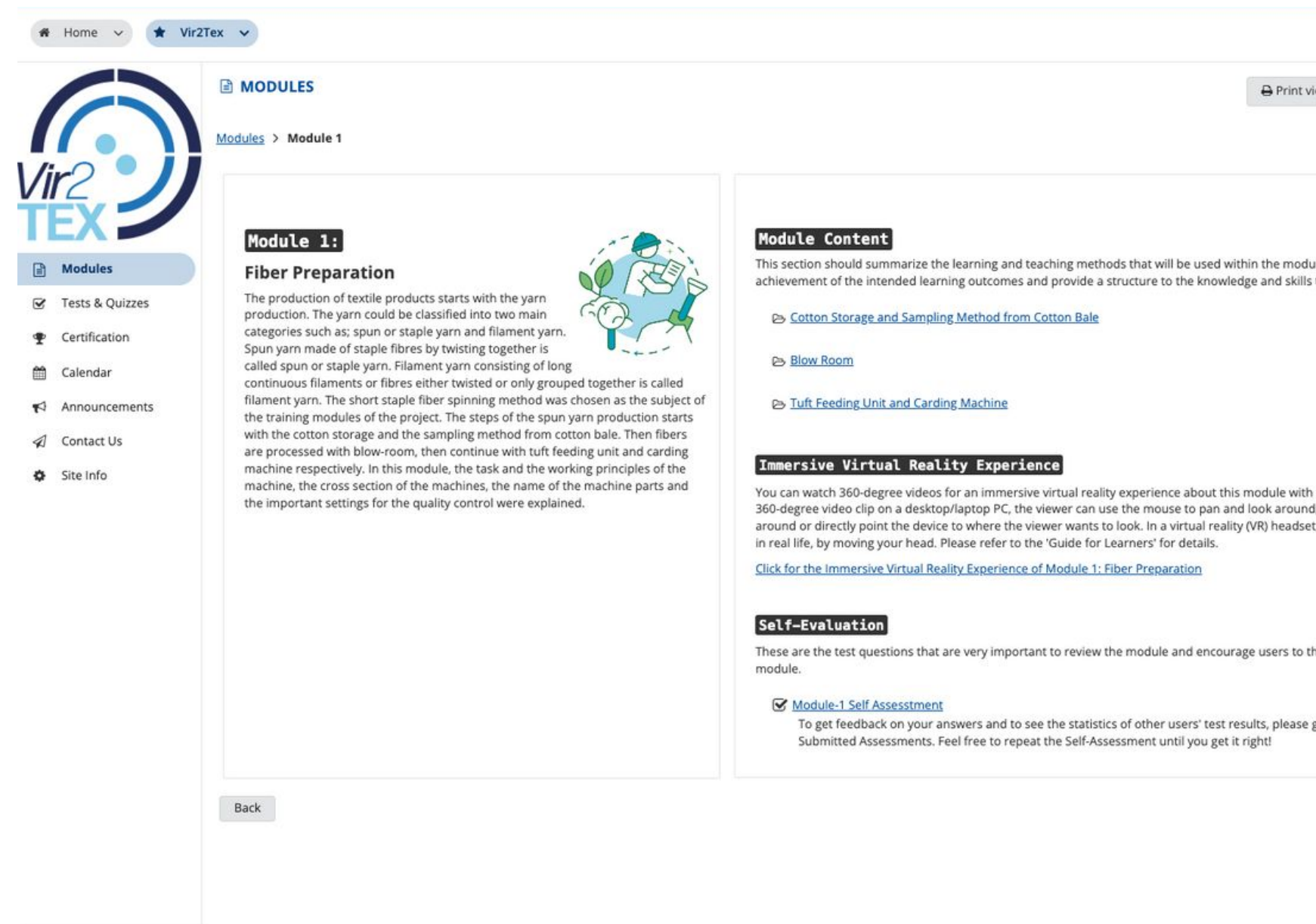
As stated in an earlier chapter, to watch a 360-degree video, there are three ways:

- On a desktop PC (locally, and online), the viewer can use the mouse to pan and look around;
- On a mobile device, the viewer can either use a finger to pan and look around or directly point the device to where the viewer wants to look;
- In a virtual reality (VR) headset, the viewer is virtually wrapped by the video and can simply look around as it is in real life, by moving their head.



To watch a 360-degree video footage on those standalone/all-in-one devices, you first transfer the footage file to the headset (normally it will shown as a USB drive when connect to your PC, please refer to the headset user manual for detailed instructions about connecting the device to a PC, or a Mac).

- Go to Vir2TEX course site
- Select the module content
- [Click for the Immersive Virtual Reality Experience of the module](#)

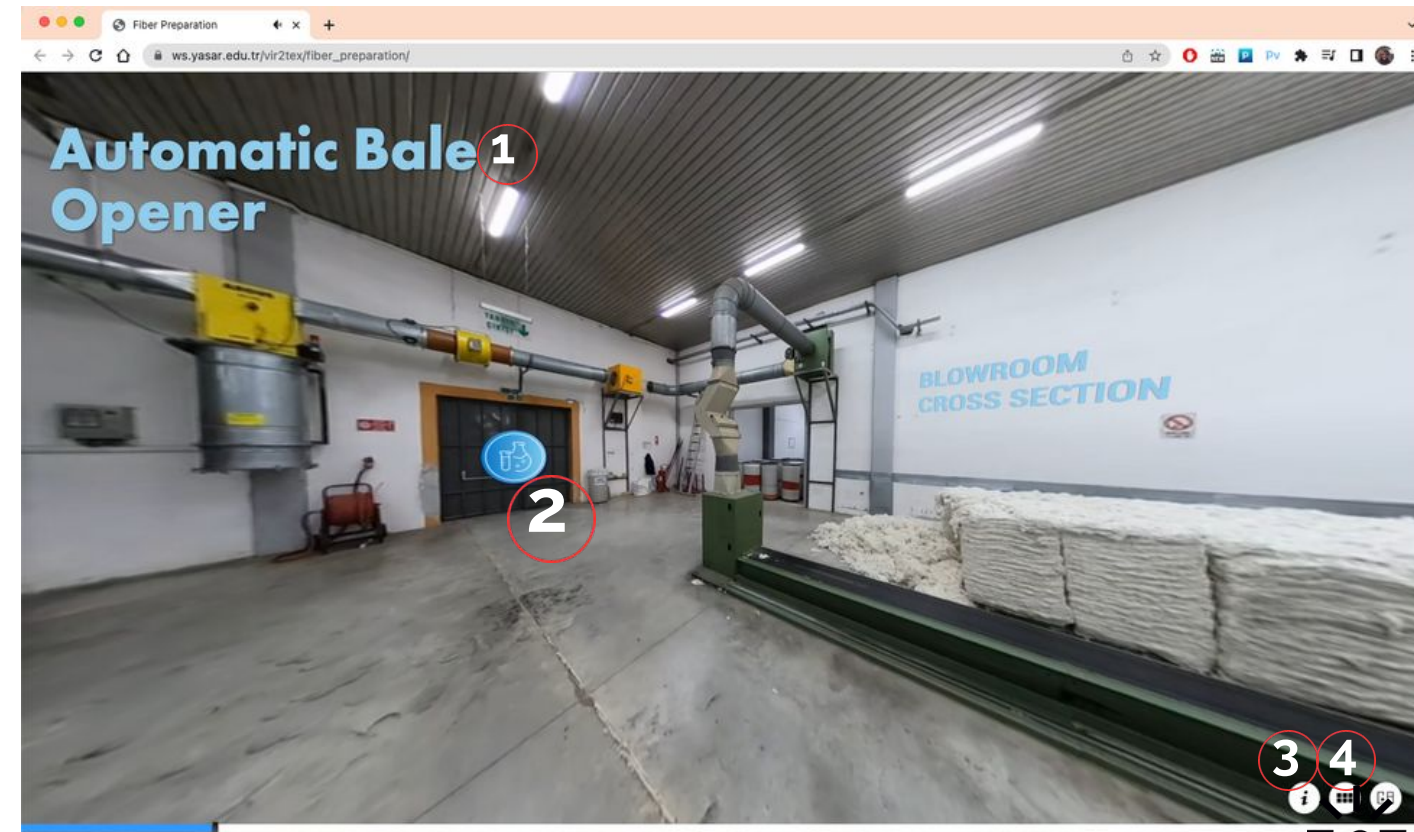


The screenshot displays the Vir2TEX course website interface. At the top, there are navigation links for 'Home' and 'Vir2Tex'. The main content area is titled 'MODULES' and shows the current page as 'Module 1'. A sidebar on the left contains a menu with options: 'Modules', 'Tests & Quizzes', 'Certification', 'Calendar', 'Announcements', 'Contact Us', and 'Site Info'. The main content area is divided into three sections: 'Module 1: Fiber Preparation', 'Module Content', and 'Self-Evaluation'. The 'Module 1: Fiber Preparation' section includes a description of the production process and a small illustration of a person working with a machine. The 'Module Content' section lists three sub-topics: 'Cotton Storage and Sampling Method from Cotton Bale', 'Blow Room', and 'Tuft Feeding Unit and Carding Machine'. The 'Self-Evaluation' section includes a 'Module-1 Self Assessment' link and a note about getting feedback on answers.

Vir2TEX LEARNER GUIDE

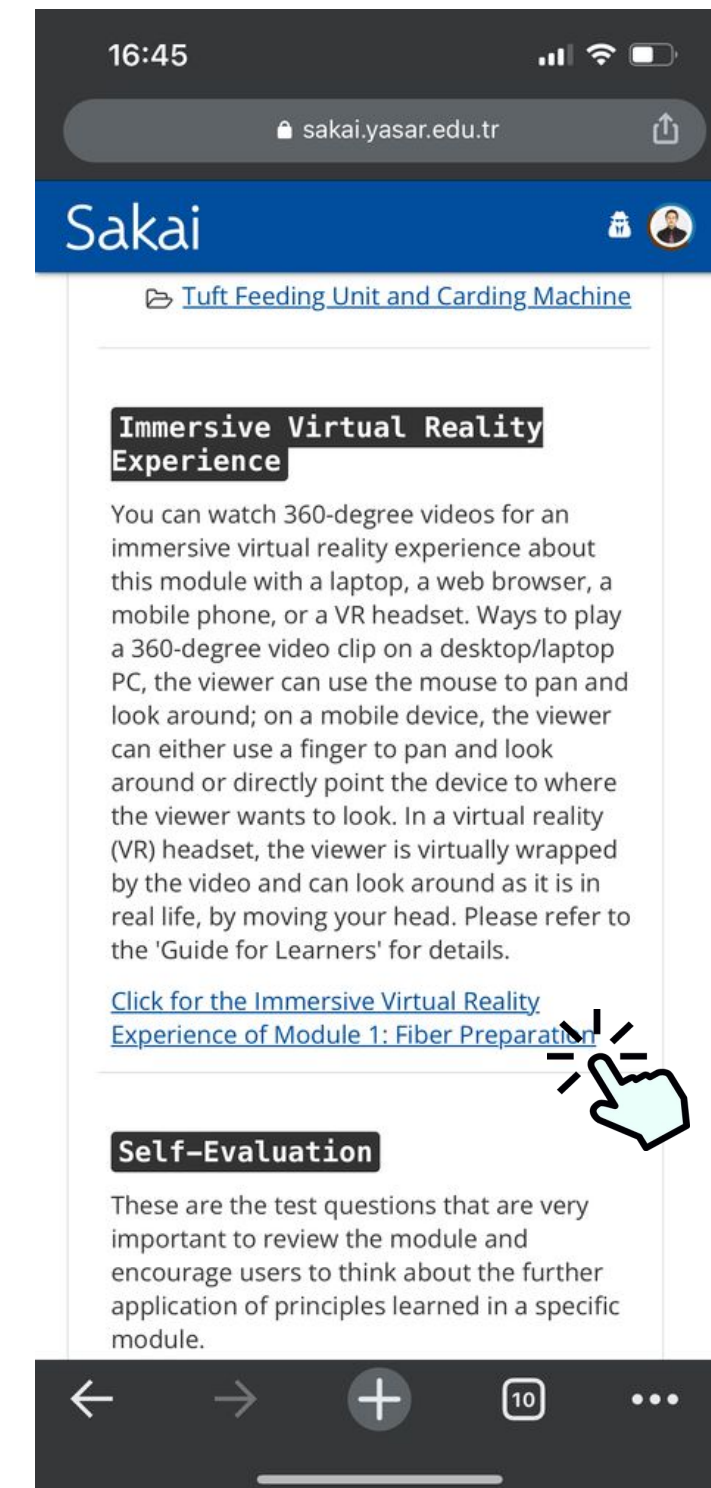
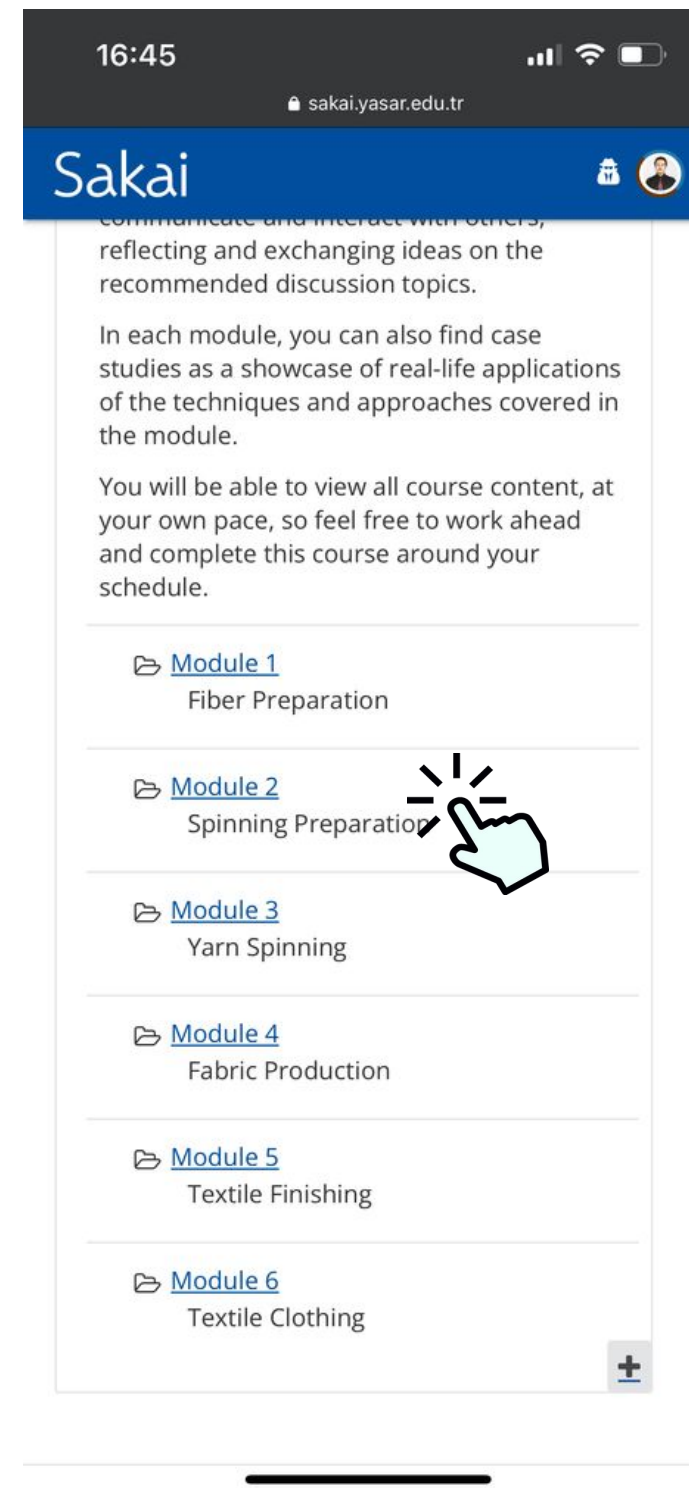
Immersive Virtual Reality Experience

- Module name
- Interactive buttons in modules.
- Information
- Module content

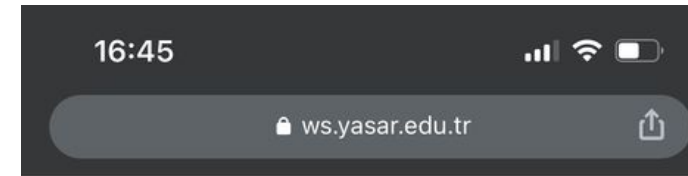


You can watch 360-degree videos for an immersive virtual reality experience about this module with a mobile phone. Ways to play a 360-degree video clip on a mobile device, the viewer can either use a finger to pan and look around or directly point the device to where the viewer wants to look. Mobile phone in a VR Box, such as the Google cardboard, always needs a phone as its core to operate (use as both display, and sensor of head motions).

- Go to Vir2TEX course site
- Open of the modules
- Click for the Immersive Virtual Reality Experience of the module



- You need to grant the necessary permissions.
- For a more realistic experience, you can switch to 3D by clicking cardboard view icon at the bottom right.



Your device's motion and orientation access and VR mode are disabled for this site. To properly see this webpage, please click continue and accept the permission request if prompted.

OK

1.

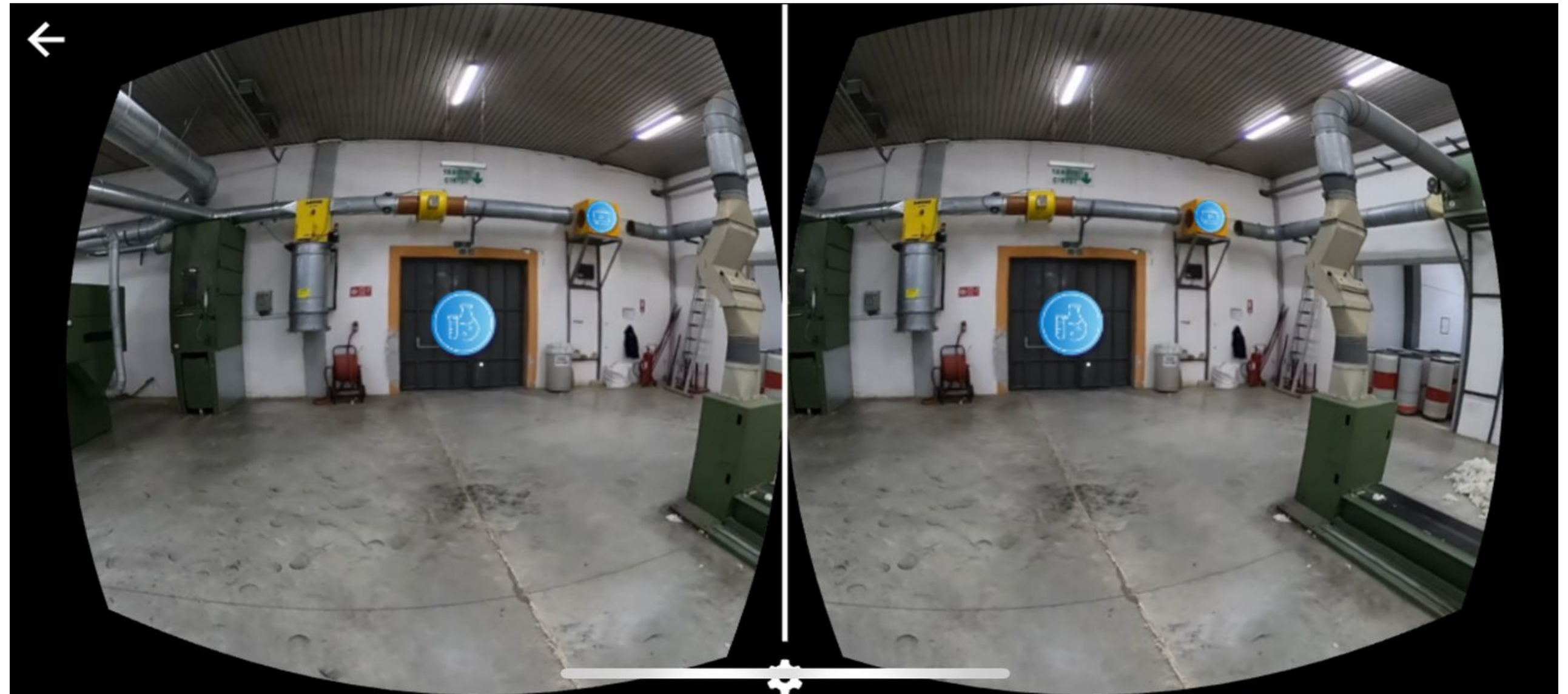
Don't display this info again



Vir2TEX LEARNER GUIDE

Immersive Virtual Reality Experience with Cardboard

After you tap the cardboard view icon the screen split will split into two smaller screens.

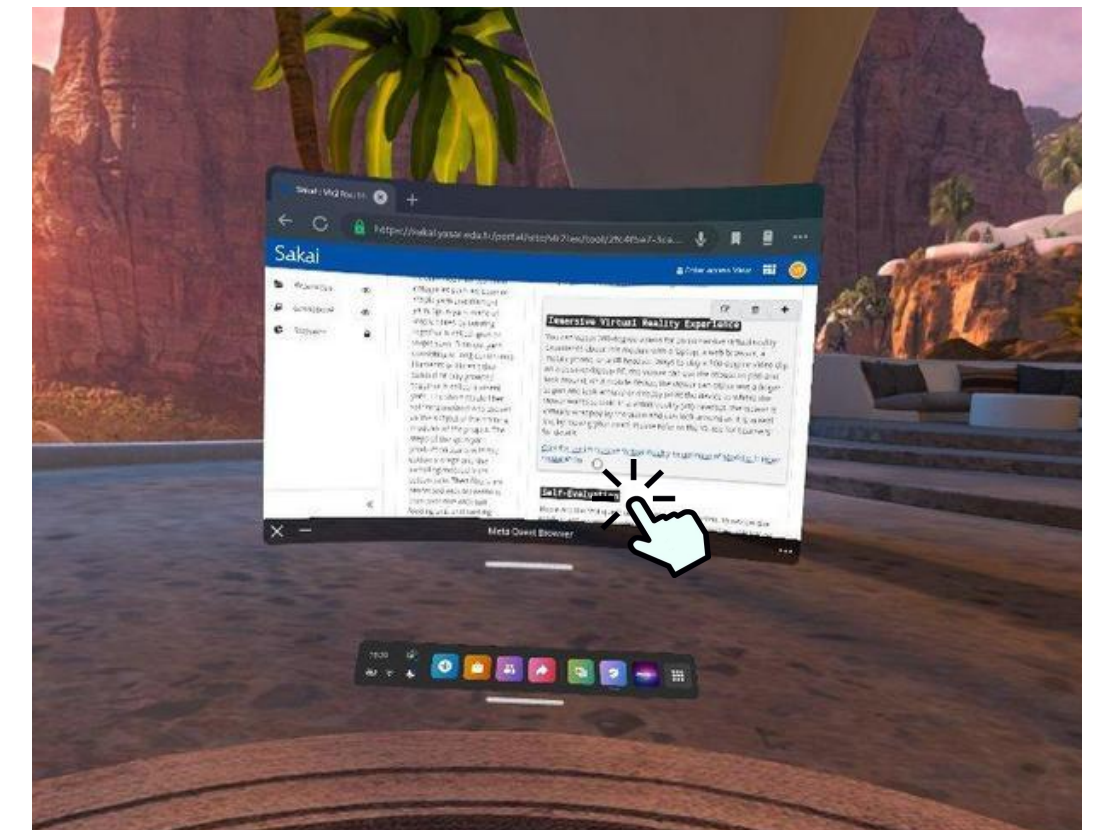
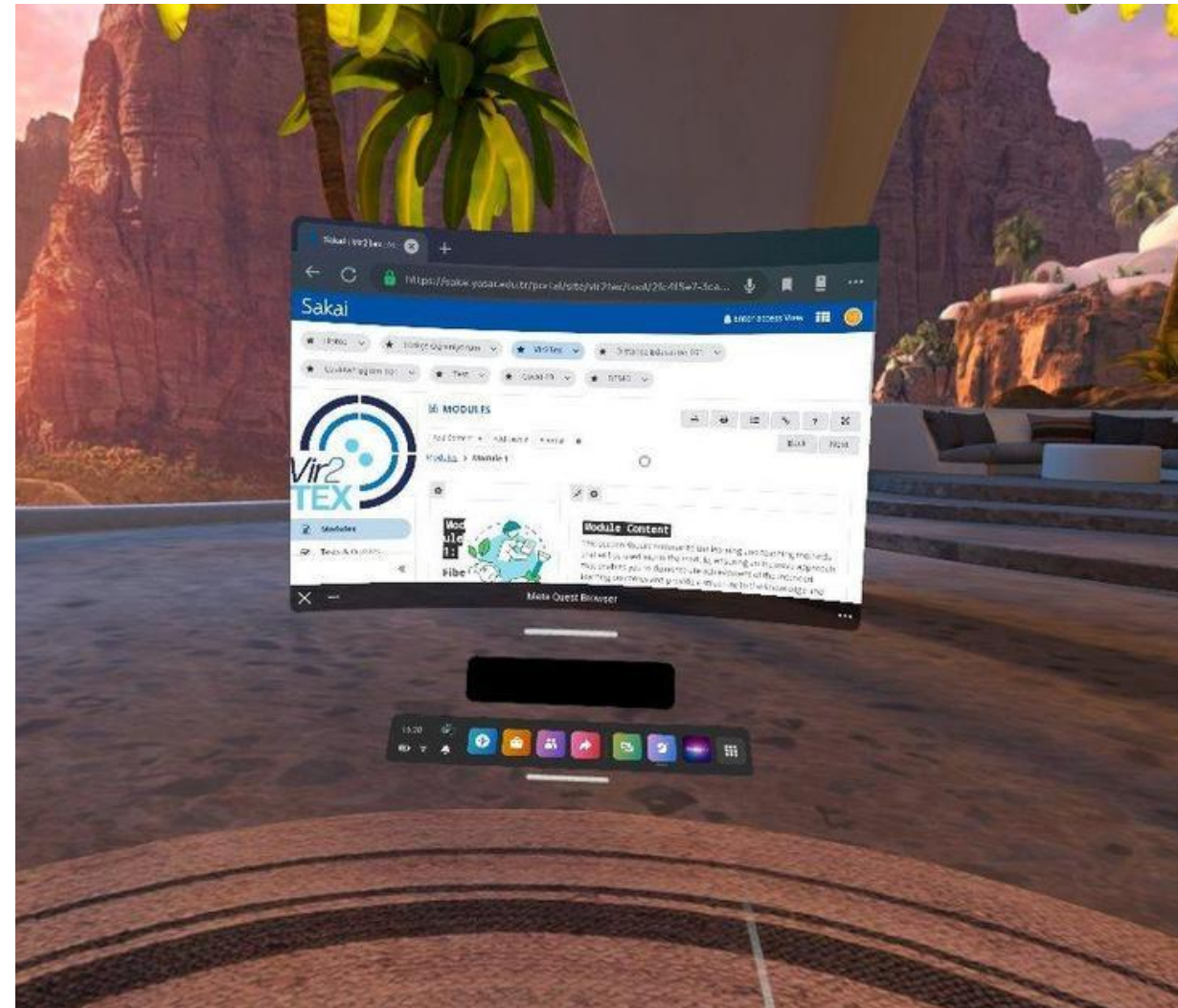


Vir2TEX LEARNER GUIDE

Immersive Virtual Reality Experience with VR Headset

You can watch 360-degree videos for an immersive virtual reality experience about this module with a VR headset. Ways to play a 360-degree video clip on a virtual reality (VR) headset, the viewer is virtually wrapped by the video and can look around as it is in real life, by moving your head.

- Open VR Headset browser
- Enter Vir2TEX course site
- Click for the Immersive Virtual Reality Experience of the module



Vir2TEX LEARNER GUIDE

Immersive Virtual Reality Experience with VR Headset

For a more realistic experience, you can switch to 3D by clicking this cardboard view icon at the bottom right.

