



UNIVERSITI
TEKNOLOGI
MARA



TEACHING TECHNOLOGY TOOLS II

<http://hea.uitm.edu.my>

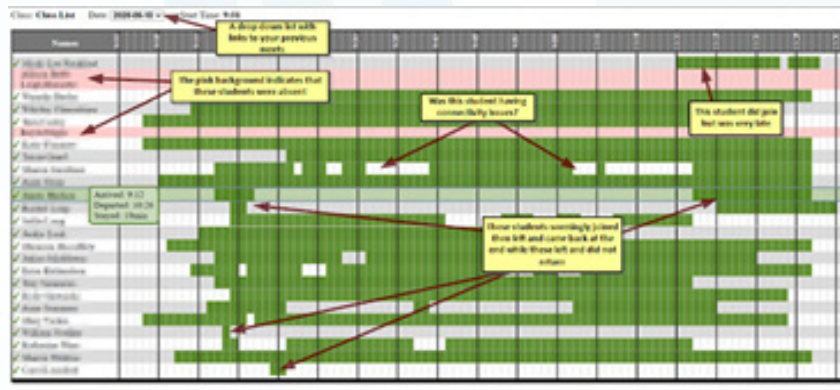
Attendance

ONLINE CLASS SCHEDULE

Show 10 entries Status Show all Search: + Schedule

| # | Class Name | Date | Start Time | End Time | Duration | Platform | Live Link | Recorded Link | Class Attendance | Status | Action |
|---|--------------------------|------------|------------|----------|-----------------------|-------------------------|----------------------------|---------------|----------------------|---------|--------|
| 1 | Week 14 Visual & Context | 20/01/2021 | 8:00 pm | 10:00 pm | 2 hour(s) 0 minute(s) | Microsoft Teams Meeting | Click HERE | - | View | Expired | |
| 2 | Week 13 Visual & Context | 13/01/2021 | 8:00 pm | 10:00 pm | 2 hour(s) 0 minute(s) | Microsoft Teams Meeting | Click HERE | - | View | Expired | |
| 3 | Week 12 Visual & Context | 06/01/2021 | 8:00 pm | 10:00 pm | 2 hour(s) 0 minute(s) | Microsoft Teams Meeting | Click HERE | - | View | Expired | |
| 4 | Week 11 Visual & Context | 30/12/2020 | 8:00 pm | 10:00 pm | 2 hour(s) 0 minute(s) | Microsoft Teams Meeting | Click HERE | - | View | Expired | |

uFuture



Google Meet

People

Invite someone or dial a number

Currently in this meeting (1)

Garrett Chandler
Organizer

Others invited (1)

| | A | B | C |
|---|------------------|-------------|----------------------|
| 1 | Full Name | User Action | Timestamp |
| 2 | Garrett Chandler | Joined | 6/2/2020, 8:18:13 PM |
| 3 | Arden Asher | Joined | 6/2/2020, 8:19:15 PM |
| 4 | Adele Vance | Joined | 6/2/2020, 8:25:13 PM |
| 5 | Delbert McCray | Joined | 6/2/2020, 8:10:13 PM |
| 6 | Dustin Hendersor | Joined | 6/2/2020, 8:15:13 PM |
| 7 | Grady Archie | Joined | 6/2/2020, 8:18:13 PM |

Attendance Reports in Microsoft Teams

Microsoft Teams



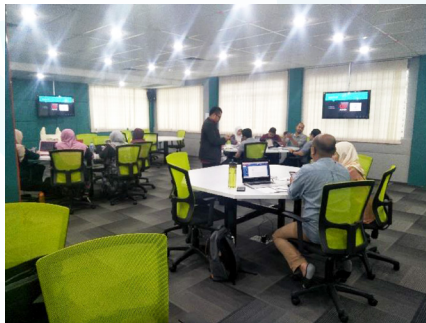
Smart Classroom

Definition



Smart Classrooms are technology enhanced **classrooms** that foster opportunities for teaching and learning by integrating learning with technology.

UiTM Smart Classroom



32

360°

Smart Classroom (ARIF 5)



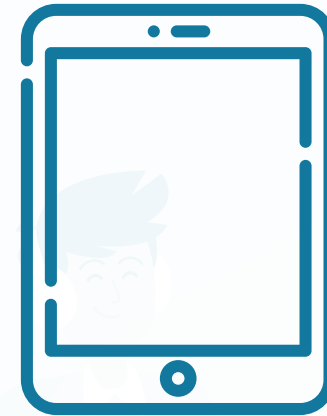
Device Setup



COMPUTER



SMARTPHONE



TABLET

Differences

Operating Systems



Mac OS



android



Linux
Operating System

cyberops.in/blog

The logo for Huawei HongmengOS, featuring a red flower-like icon above the text "HUAWEI" and "HongmengOS". The background of this block shows several smartphones displaying their home screens.

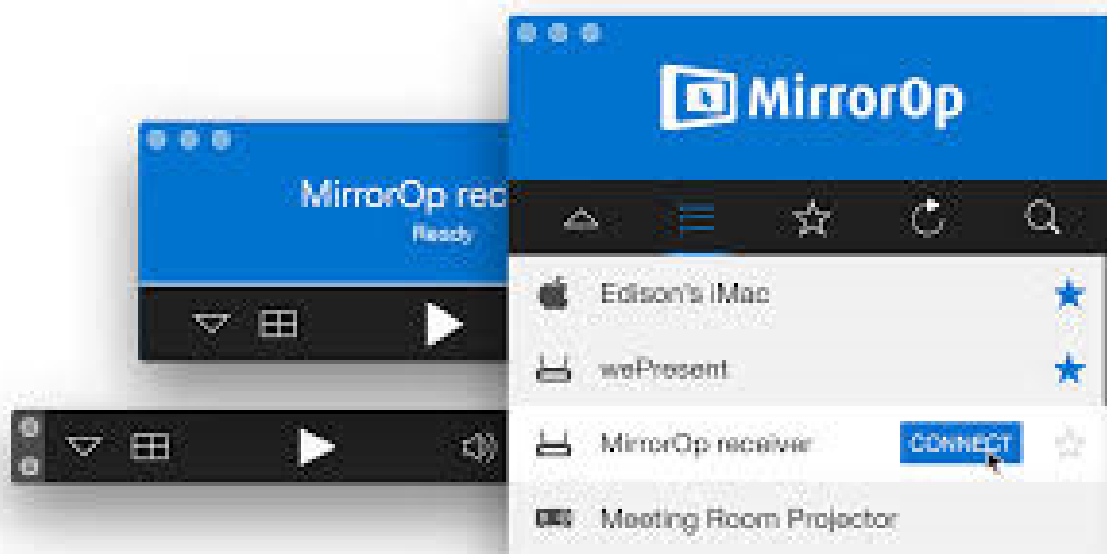
HUAWEI
HongmengOS

Differences

Ports



Installation



MirrorOp Sender

MirrorOp Receiver

Setup Your Own Smart Classroom



MiraScreen®

EZMira

Miracast

YouTube

DLNA

Airplay

SALE

Shipping 24 hours



Android

iOS

Windows

MAC OS

The MiraScreen EZMira is a small, black, circular device with a lens in the center and a USB-C cable attached. It is surrounded by logos for various operating systems and features it supports.

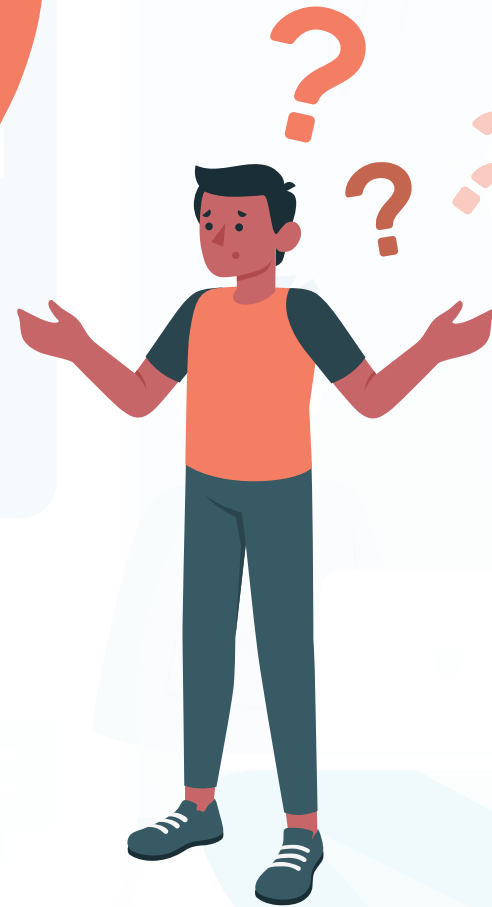




Creating Hybrid Classroom



Why?



Education 5.0 Philosophy

5 Important Pillars

Coherent and Relevant Curriculum

Innovative Delivery and Assessment

Meaningful Learning Experience

Transformative Learning Environment

Inspiring Educators

Learning Styles

Felder & Solomon Instrument

4 Dimension of Learning Styles

Input (Visual & or Verbal)

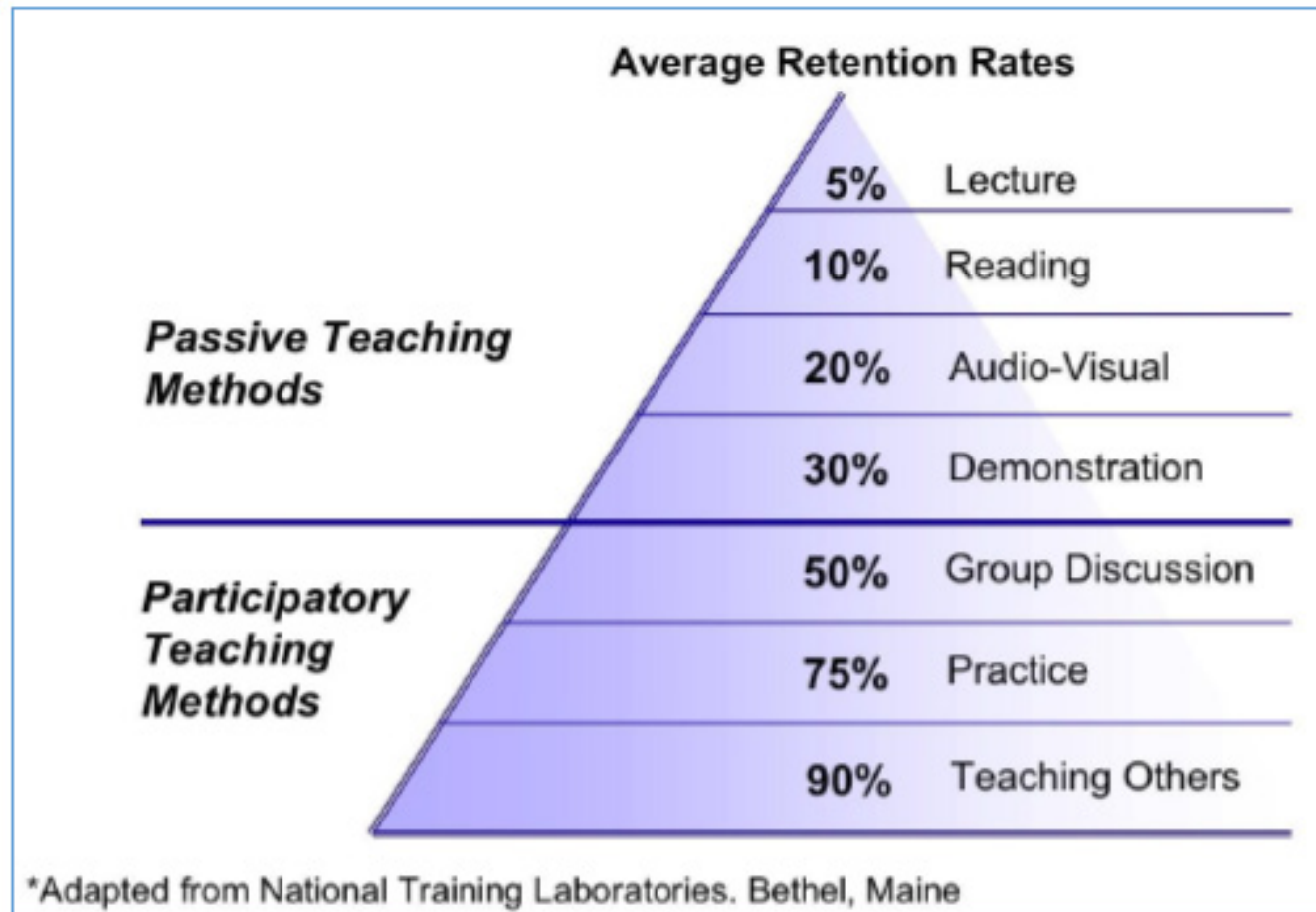
Perception (Sensing & or Intuitive)

Process (Active & or Reflective)

Understanding (Global & or Sequential)



T&L Approaches



Instructional Design

Gagne's Nine Events of Instruction

- Gain attention
- Inform learners of objectives
- Stimulate recall of prior learning
- Present the content
- Provide "learning guidance"
- Elicit performance (practice)
- Provide feedback
- Assess performance
- Enhance retention and transfer to the job

- Robert Gagne -

ASSURE

- A** Analyse learners
- S** State standards & objectives
- S** Select strategies, technology & Media
- U** Utilize technology, media & materials
- R** Require learner participation
- E** Evaluate & revise

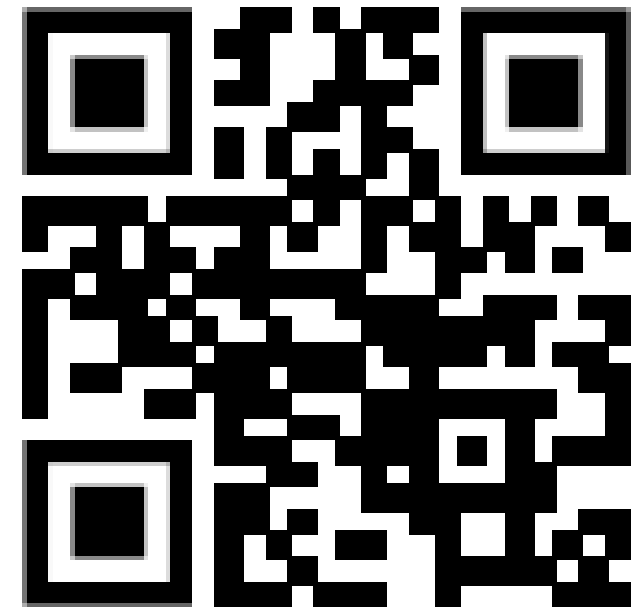
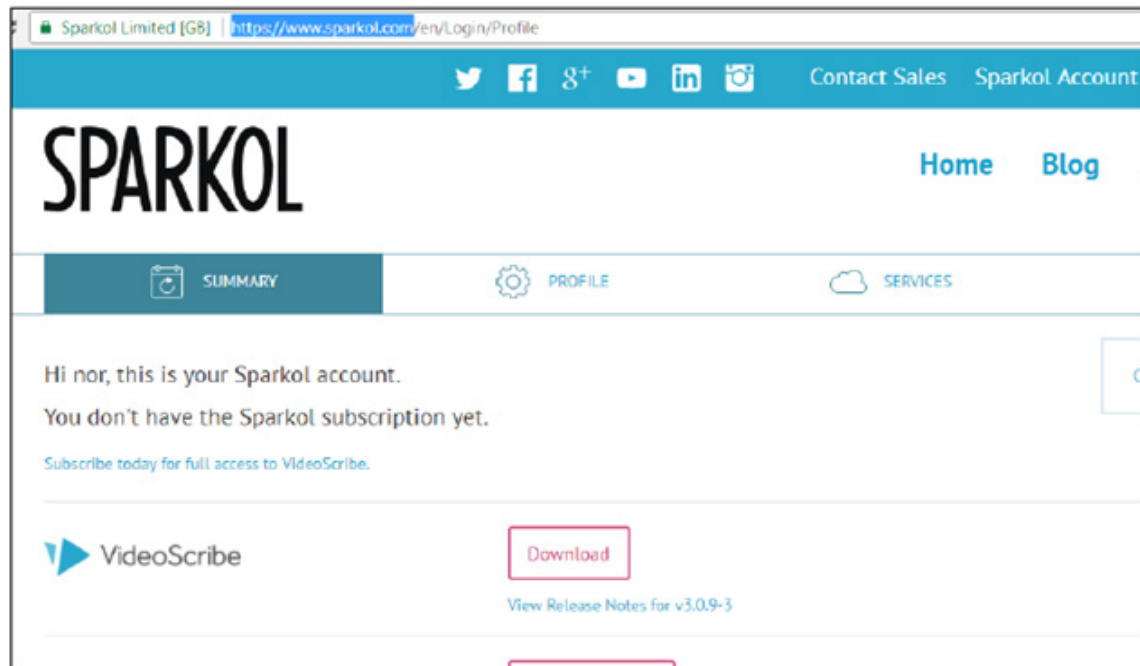
- Sharon Smaldino -

Engaging The Digital Native with the tools

| NO | URL | Remark |
|----|---|---|
| 1 | https://www.sparkol.com | A video software for users to make to make their own whiteboard video Animation Can Assign student to make their own Video [registered already] |
| 2 | https://biteable.com | Create beautiful infographic video to share with students [registered already-recommended] |
| 3 | https://screencast-o-matic.com | Screen-casting Tool, to cast slide/ drawing board/ your face & combine it as video [registered already- recommended] |
| 4 | https://www.techsmith.com/download/camtasia/ | To create video [registered already] |
| 5 | https://app.emaze.com | Presentation tool; Share presentation online/ offline, website, blog, ecard, photo album [registered already] |
| 6 | https://prezi.com | Presentation tool (you have to pay for full version) |
| 7 | https://create.piktochart.com | Infographic tool [registered already] |
| 8 | https://www.carva.com/ | Infographic tool [registered already] |
| 9 | https://www.mindmeister.com/ | Mindmapping tool [registered already, recommended for simplified mapping] |
| 10 | https://app.wisemapping.com | Mindmapping tool [registered already, recommended for detailed mapping] |
| 11 | https://www.pinterest.com/ | Curation Tool – organize and share all beautiful things find in web [registered already] |
| 12 | https://www.tes.com/ | Curation Tool -blendspace [registered already], Add students as collaborators |
| 13 | https://create.kahoot.it/ | Gamification tool [registered already] |

| NO | URL | Remark |
|----|---|--|
| 14 | https://quizizz.com/ | Gamification tool [registered already] similar as kahoot.it |
| 15 | https://edpuzzle.com | Video Based Quizzing Tool [registered already], can integrate any questions in between the video |
| 16 | https://ed.ted.com/ | Video Based Quizzing Tool ;Ted-Ed Lesson, [registered already] ; sharing video & have interaction with learners |
| 17 | https://goformative.com/ | Real time Quizzing Tool , Go formative among the best; upload the pdf, in between we can put video, remark,; if 20 students you can see 20 whiteboard; the most you have to explore; recommended, [registered already] |
| 18 | https://b.socrative.com | Real time Quizzing Tool ; recommended, [registered already] |
| 19 | https://padlet.com/ | Brainstorming tool, among the best [registered already] |
| 18 | https://pollev.com/ | Brainstorming tool, [registered already] |
| 19 | https://www.mindomo.com | Mind mapping / Brainstorming tool[registered already] |

Sparkol



Creating Video scribe

Screencast O'Matic

https://screencast-o-matic.com/screen_recorder

SCREENCAST O MATIC

Home Solutions API Tutorials Support

Education
Business

Screencast-O-Matic Screen Recorder!

With our easy-to-use, free screen recorder for Windows, Mac, and Chromebook you can

to add narration from your microphone and
res, webinars, demos, games, Skype calls, etc.
uTube, or save directly to a video file.

Launching Recorder...
[Download](#) if nothing prompts from browser.

Launch Recorder **Get Pro Recorder**

US - English

Record

Screen Webcam Both

Max Time 00:15:00
Size 720p
Narration
Computer Audio
Preferences...

Rec 00:00



Screen Recording


Camtasia

Secure | https://www.techsmith.com/download/camtasia/?gclid=EAlalQobChMlgluLhv-L1wIVAkCGCh1GqQI_EAAYASAAEgIdTPD_BwE&_ga=2.2


TechSmith® Products Help Company Blog Store Search TechSmith.com

Try Camtasia for free

We'll send a few emails to help you get started. Unsubscribe at any time.



Windows Download



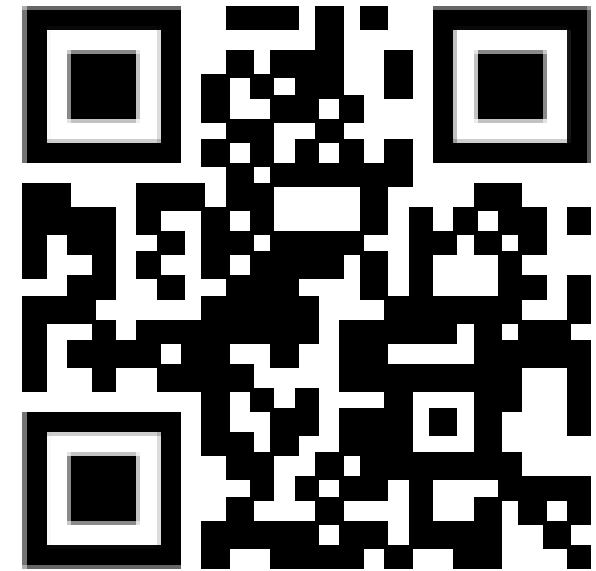
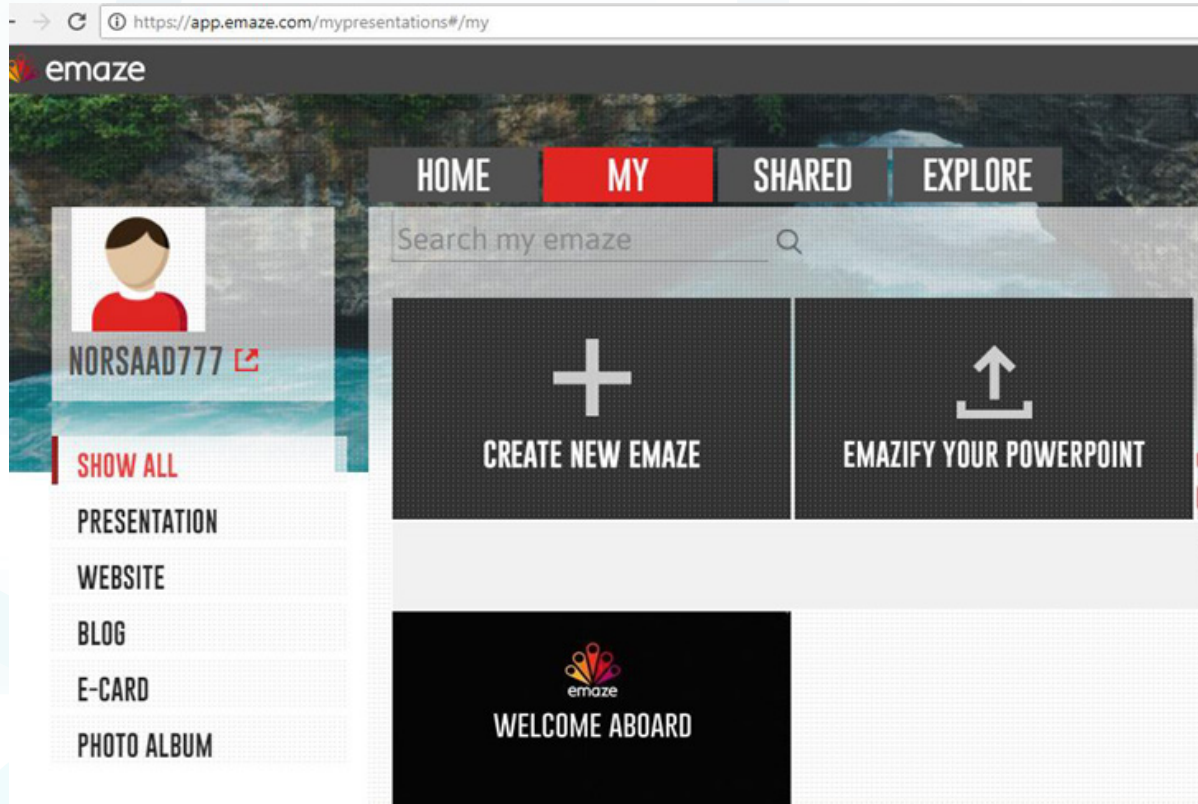
Mac Download

Or, we'll send a link to norsaad777@gmail.com so you can download Camtasia later.



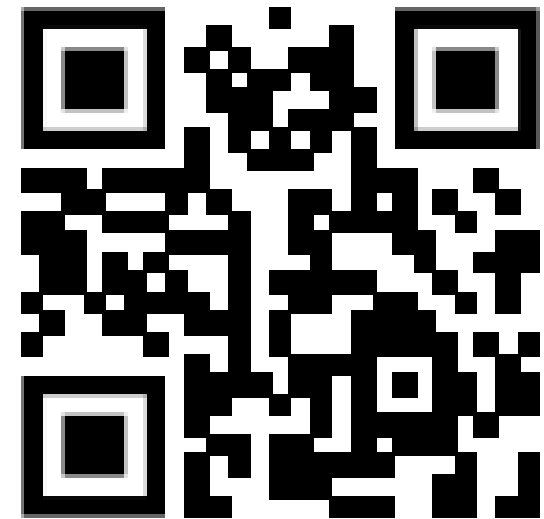
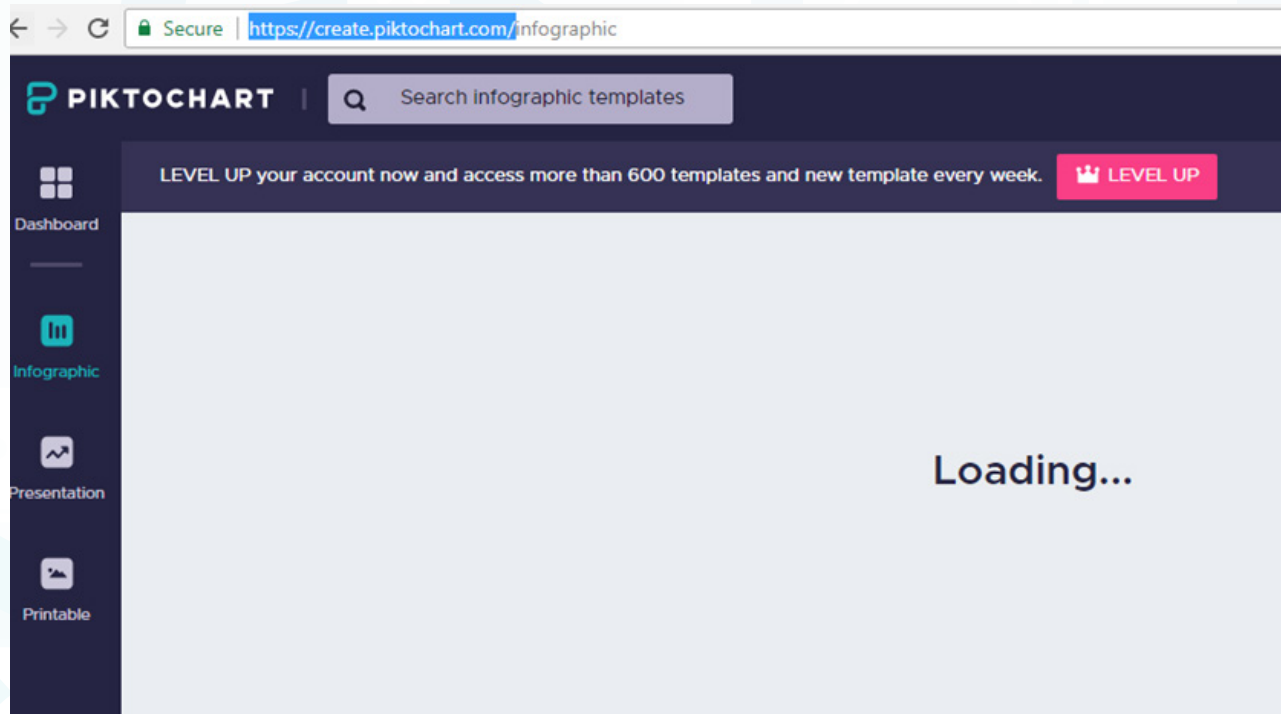
Screen Recording++

emaze



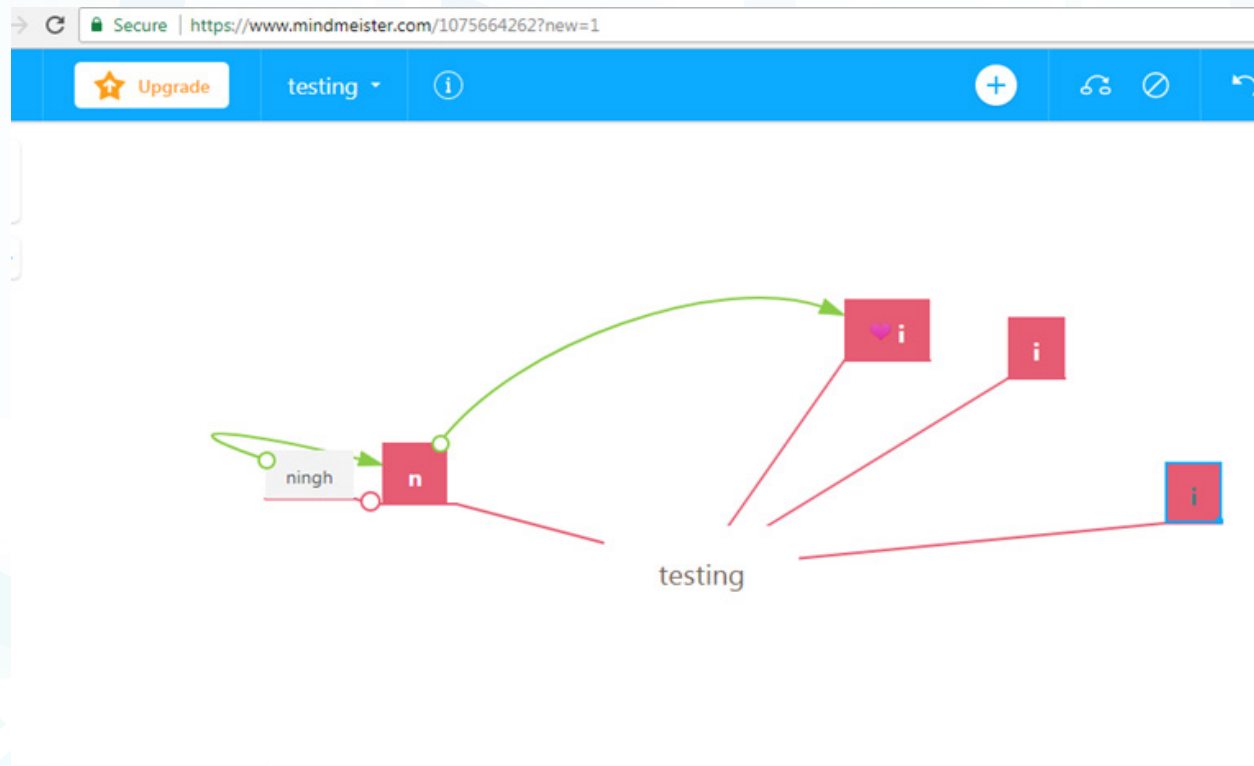
Presentation,
Website, Blog +++

Piktochart



Infographic, Presentation,
Portfolio +++

Mindmeister

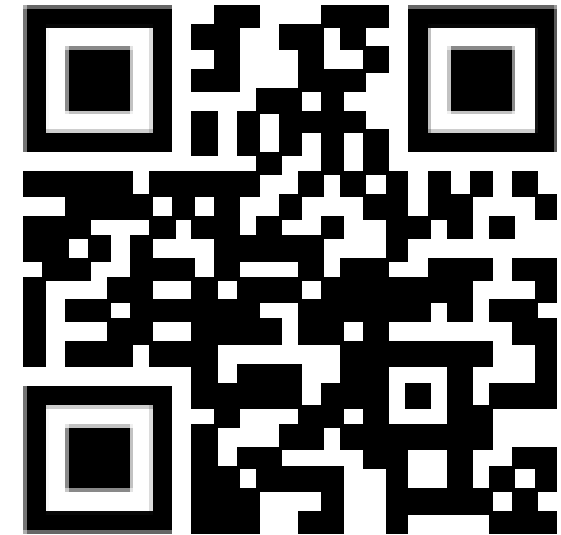


Mind Mapping &
Collaborating

Wisemapping

The screenshot shows the Wisemapping web application interface. The browser address bar displays the URL: <https://app.wisemapping.com/c/maps/712323/edit>. The page header includes the Wisemapping logo, a name field containing "Welcome Nor Hayati", and a user greeting "Welcome, Nor Hayati | My". Below the header is a toolbar with various icons for editing and navigation. The main content area displays a mind map titled "How to Start?". The central node is "How to Start?". It branches into three main categories: "Edition Using Keyboard", "Edition Using Mouse", and "Topics Properties".

- Edition Using Keyboard**
 - Move Between Topics With The Arrows
 - Start Typing to Edit Text
 - Press Ctrl/Meta+Enter to Add Child Topic
 - Press Enter to Add a Sibling Topic
 - More ?. Click on shortcuts above
- Edition Using Mouse**
 - Double Click on a Topic to Edit the Text
 - Double Click on the Canvas to Create Topics
 - Drag and Drop Topics Position
 - Use the Toolbar
- Topics Properties**
 - Add I
 - Add I
 - Fanc
 - Multiple
 - Differen
- Sharing**
 - Invite Friends to Collaborate
 - Embed in Blogs
 - Publish your Mindmap



Mind Mapping &
Collaborating

Kahoot

Secure | <https://create.kahoot.it/>

Kahoot! [Find Kahoots](#) [My Kahoots](#) [My results](#) [FAQs](#) [Support](#)

Getting started...

- Check out the [5 ways to make an awesome Kahoot!](#)
- Be inspired by our [Super Kahoot!™ers](#)
- Play or duplicate a game from our [Featured](#) or [Trending lists](#)

Create a new kahoot



Quiz



Jumble



Quizzes

edpuzzle

Secure | <https://edpuzzle.com/assignments/5acb063e69a1e440e4c668e3/watch>

edpuzzle My Classes

Back Revisiting Teaching

Teaching = Facilitating 'LEARNING'



What is your conception of 'Teaching'?

Facilitating & moderating learning

Continue

YouTube

0:06



Video & Quizzes

POOL Everywhere / POOLEV

← → ↻ Secure | https://pollev.com/multiple_choice_polls/new

1 Poll Everywhere How should it work?

Question

On-The-Fly - Apr 13, 2018 at 1:28am

Number of choices

| | | |
|---|---|---|
| 2 | 3 | 4 |
|---|---|---|

Answer type

A-E

Can they pick more than one?

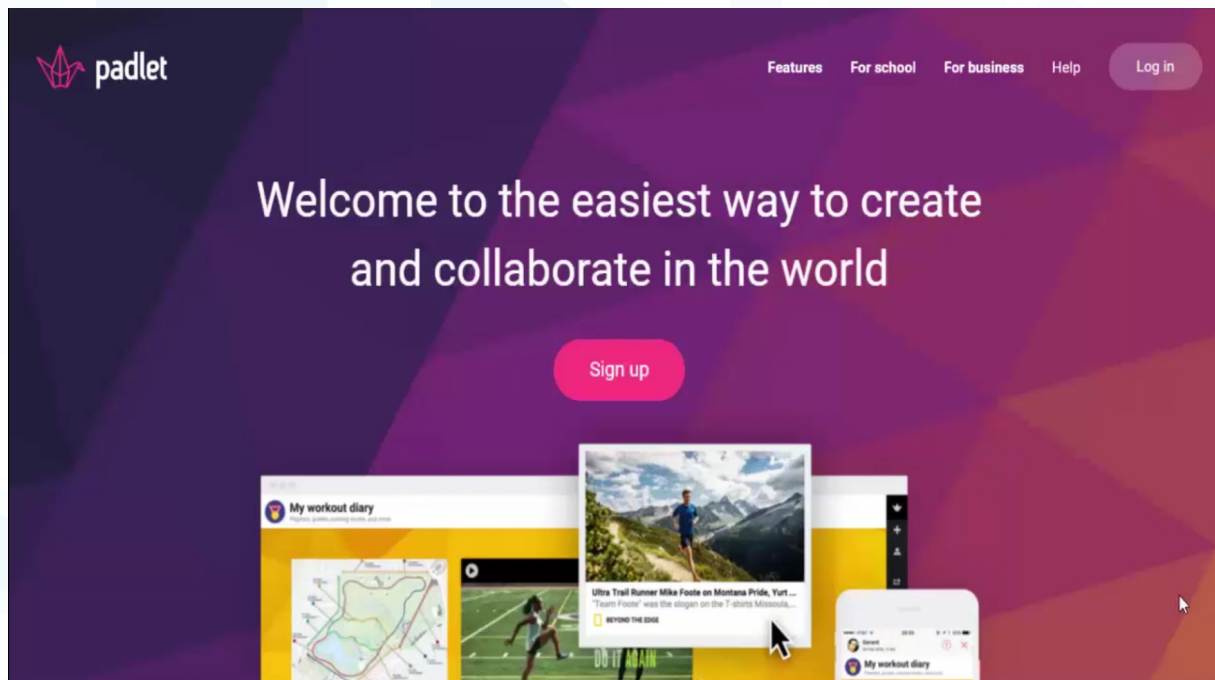
No

Show poll



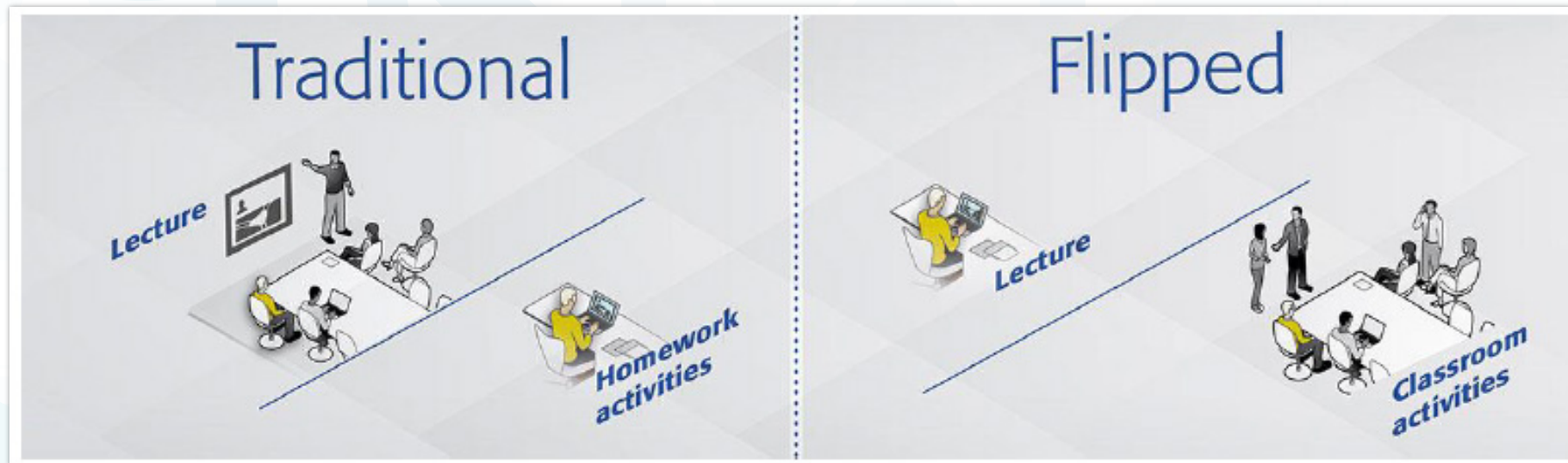
Quick Survey Result

Padlet



Link

Traditional Class VS Flipped Class



Effective Flipped Classroom

- Part of Assessment
- Students to complete the assessment before the class
- Gamify the process (put some element of fun, game)
- Put your class based on the work they have done on their own before
- Get the students to present using their own words/ go for infographics (avoid plagiarism) [Assessment for learning, assessment as learning. Use the class time to show students creativity (user generated content)]
- To choose few answers/ feedback/ students output & explain it during the face to face classes.
- At the initial stage -students might complain; explain 5 minutes why we / students have to go through the activities..
- Motivation on Online learning is a main issue
- Consideration -in doing online learning (discipline of students, setting up the activities and learning outcome)

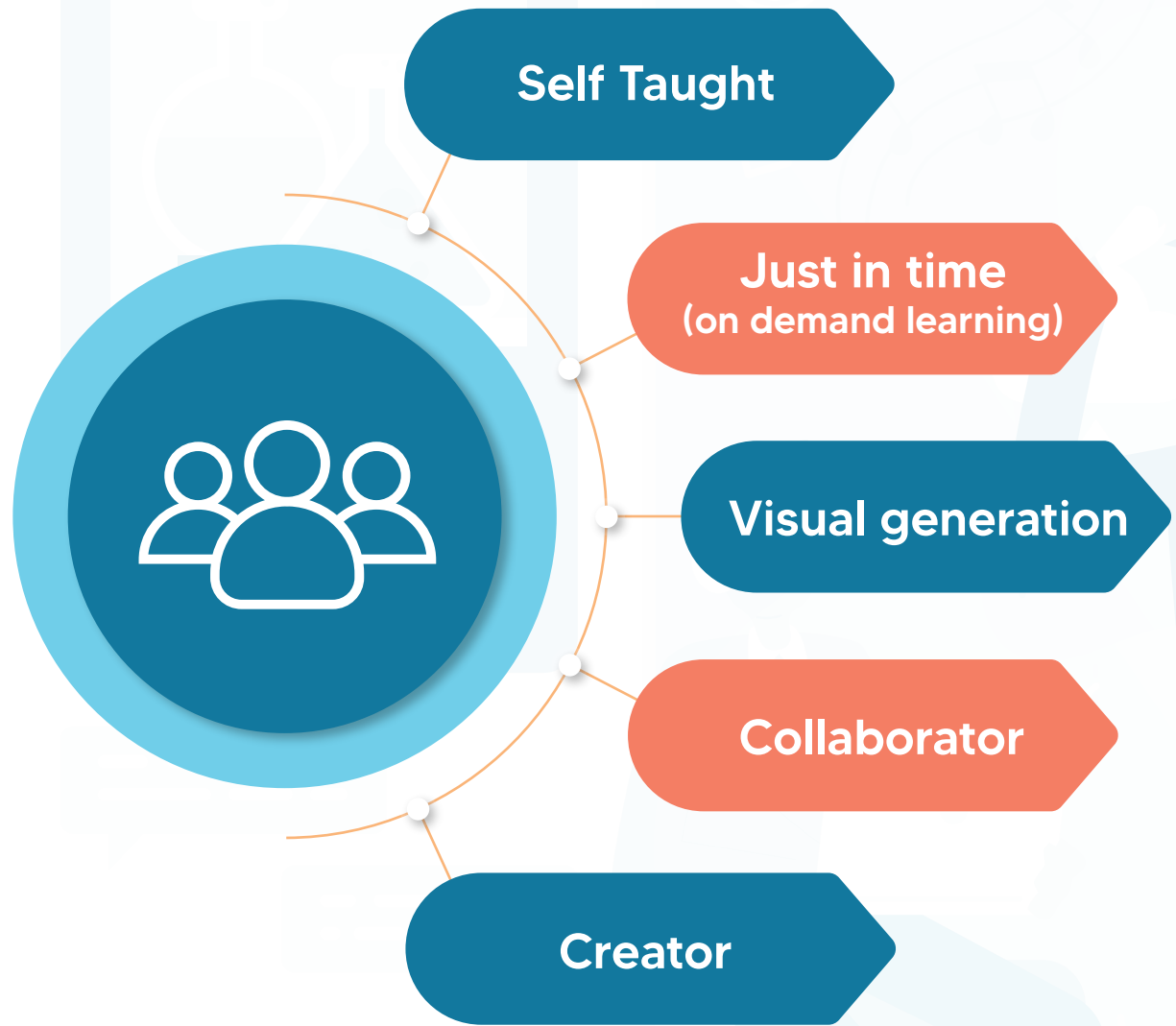
Engage Active Learning

- Input from MULTIPLE sources through MULTIPLE senses (Visual, Auditory, Kinesthetics, Gustatory & Olfactory)
- The process must be interactive -interacting with other people & materials, stimulating multiple areas of the brain to act :
 - ★ Student -student
 - ★ Student -Social media
 - ★ Teacher -student
 - ★ Group of student -group of student
- To collect the response/ evidence of learning

Assessment & Learning

| OF/FOR/AS | REMARK |
|--------------------------------|--|
| Assessment OF Learning | Never do assessment of learning as part of assessment because: Validity - hard to validate the person who is taking the assessment Difficult to monitor the source of content/ where they take (content focused) |
| Assessment FOR Learning | - Giving assessment to make you learn (can do online) - Activity - focused @ Learning - focused |
| Assessment AS Learning | - Self - Assessment (can do online) - Activity - focused @ Learning - focused |

Gen-Z Characteristics



Hologram



Augmented Reality

- To capitalize by scanning an image & reveal a video for real situation

Example:

- ★ Process of dismantle & install of components for training purposes
- ★ Process of maintenance of machines....
- ★ 'HP Reveal' - to be installed (to scan the AR material) or to prepare the AR material
- ★ Creator AVR
- ★ View Vuforia

Creator XR



eonreality.com/avr

Virtual Reality

Computer Generated Environment which can be explored and interacted with by a person. That person becomes part of this virtual world or is immersed within this environment and whilst there, is able to manipulate objects or perform a series of actions.



Vuforia



Apps for VR

Creator AVR

Homido Player

Vuforia (View)



Creator AVR

360 Video



Tools to Create 360° Video



360FLY



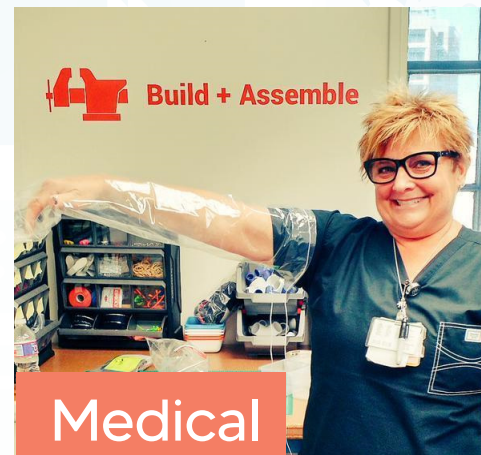
Maker Space



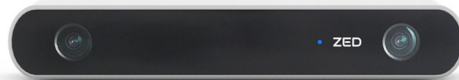
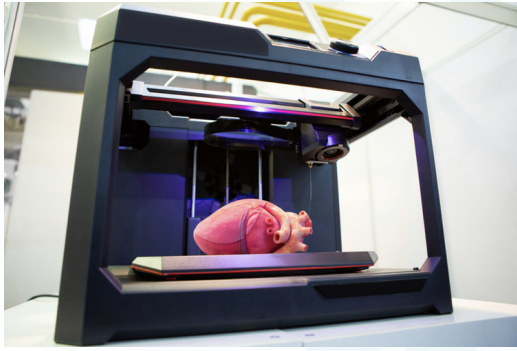
Definition

A **makerspace** is a collaborative work **space** inside a university facility for making, learning, exploring and sharing that uses high tech to no tech tools.

Types of Maker Space

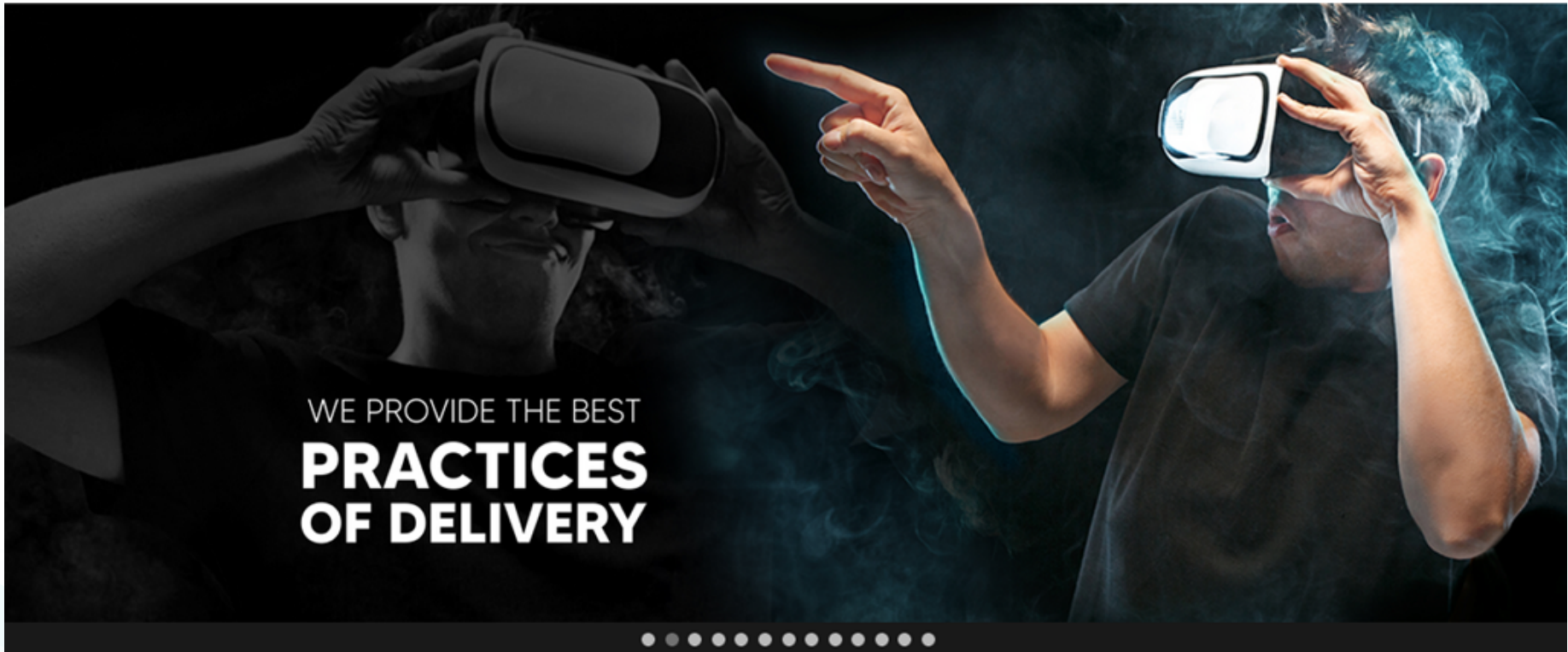


UiTM Maker Space



3D Printer





WE PROVIDE THE BEST
**PRACTICES
OF DELIVERY**



What Are You Looking For?





Understanding Kahoot

Feedback



Thanks



019-3523311 / 03-55443205