



## Step 1: Inspiration

The 4<sup>th</sup> Generation (4G) telecommunication system has been launched and accessed since 2015. The 4G supporting devices such as Smartphone, Tablet, and Wearable devices are invented. How can we utilise and apply this technology with CICM learning system to across the borderline limit.



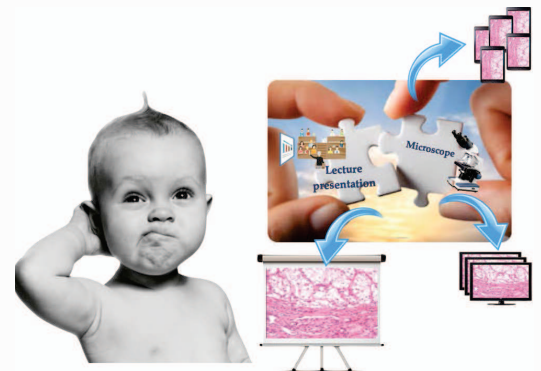
## Step 2: Designing of SMART classroom



In the classroom of cell biology, pathology and/or histology where multiple microscopes are needed, it would be ideal not only to have unlimited digital access by the students but also the lecturer can make presentation in parallel with the microscopic image at the same time.

## Step 3: Integration

To integrate the image/video under microscope and lecture presentation on the screen into the single platform may help and solve these limitations.



## Step 4: Installation



First, image/video under microscope was transfer to Computer (iDevice) by using digital camera and software. The screen of iDevice was then display on projector screen, television, and Tablet by using video matrix switcher and Join Me App.