



# DESIGN THINKING

DESIGN THINKING IMPROVING HIGHER LEVEL EDUCATION. ENOCH AMPONG

# ABOUT 2020 EDUCATIONAL CRISIS

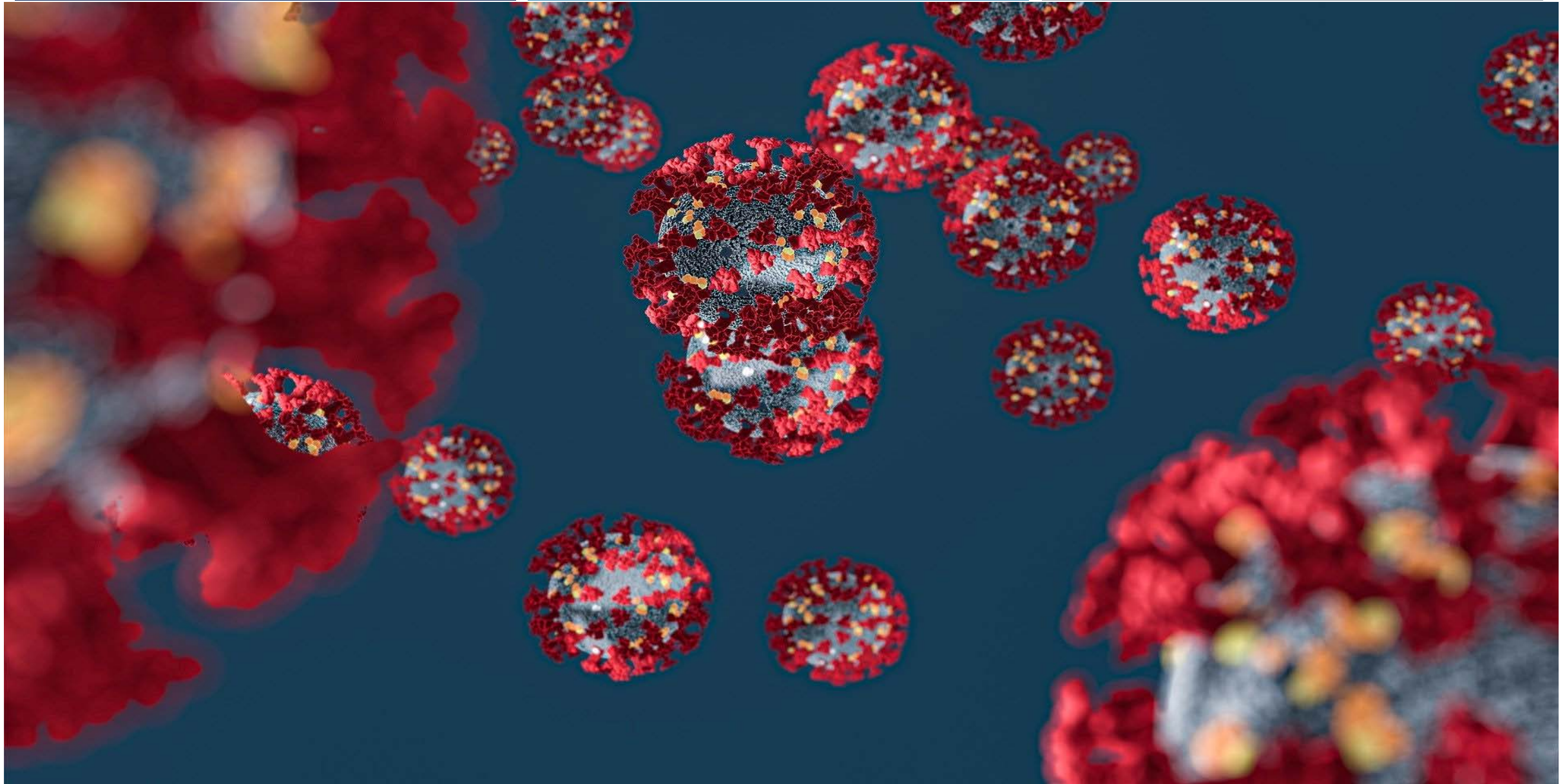
- Design Thinking is an iterative process in which we seek to understand the user, challenge assumptions, and redefine problems in an attempt to identify alternative strategies and solutions that might not be instantly apparent with our initial level of understanding.
- governments around the world have temporarily closed educational institutions
- has spread to at least 177 countries, killing more than 346,000 and sickening more than five million in a matter of months
- Universities needed to continue administration to prevent a break in schedule. Which will affect budgeting, planning, debt and unemployment.
- A semester away in a student's life may cause a changes in a life plan, delay in progress and may cause lost of ambition





- Across the globe every major institutions has resulted in the use of online video communication to carry out classes.
- Due to the COVID-19 pandemic, many schools began conducting classes via software such as Zoom, WebEx, Gmail, Facebook, Instagram skype and others

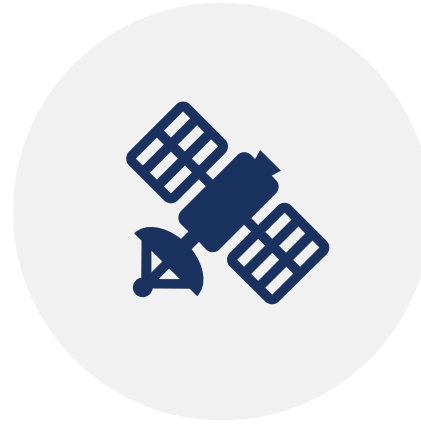




# TECH REQUIREMENTS



ADMISSION TO  
UNIVERSITY



NETWORK  
CONNECTION



COMPUTER OR VR  
HEADSET



# DIGITAL COMMUNICATIONS IN A VIRTUAL WORLD

Webex

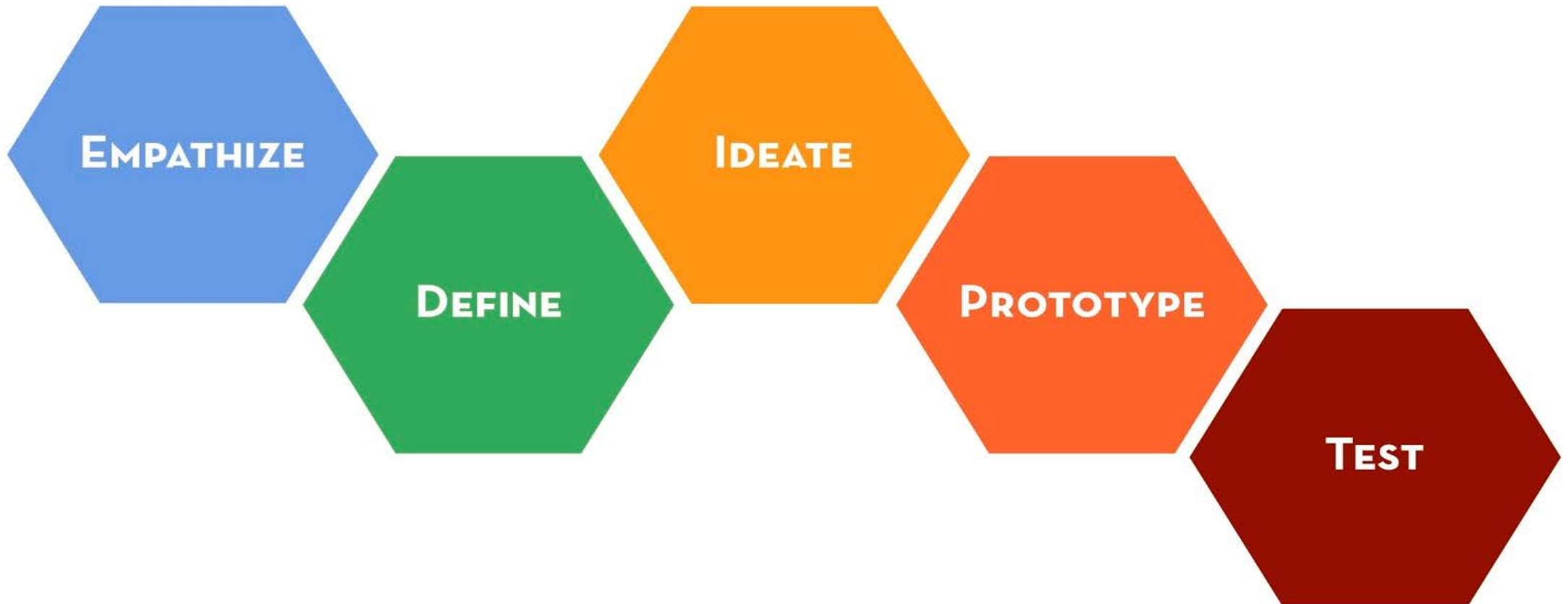
zoom

skype





# THE FIVE STAGES OF DESIGN THINKING



# EMPATHIZE

- Coronavirus pandemic caused a halt in the normal life including education leaving only essential works such as healthcare, media, delivery, transport, security and food supply.

# DEFINE

- Universities needed to continue administration to prevent a break in schedule. Which will affect budgeting, planning, debt and unemployment. A semester away in a student's life may cause a changes in a life plan, delay in progress and may cause lost of ambition.



**DEFINE**



# IDEATE

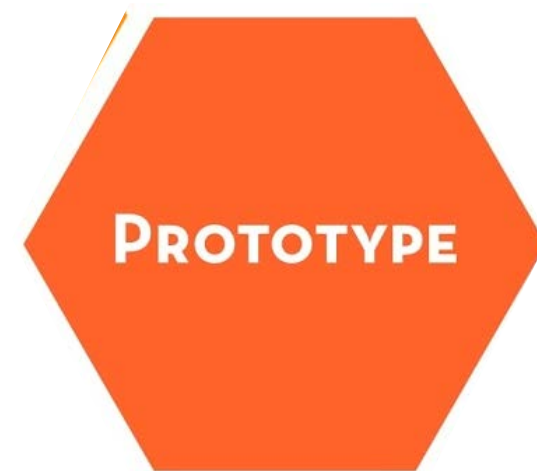
- How do we give students another classroom?
- How about we create a system whereby students becomes problems solvers and not only theory learners?
- How do we get students value for money?
- How do we make a change?



IDEATE

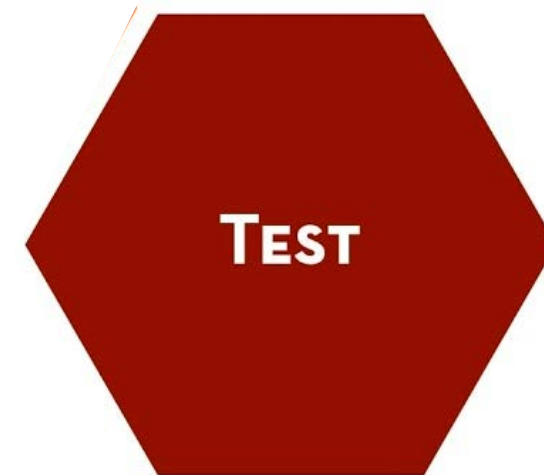
# PROTOTYPE

- Educational institutions create virtual institution just like the school building. This virtual class room has everything just like the building. Students sign in to campus and class and could meet other people presents on campus.
- Libraries are accessible
- Consultation and lecturers offices are accessible.
- Students can see the lecturer and the other students just like a real classroom.



# TEST

- A virtual classroom will enable students feel different than a class on a laptop or phone. In an online class examinations can be conducted and monitored in the virtual reality space.
- Students can jump in and have interactive conversation with lecturers
- The virtual classroom can also be used for meetings and consultations.
- The virtual world will now be expanded to consultations with lawyers, meetings and possibly takeover most face to face interaction.
- People can book appointments and when the time is up they wear their VR headset and have a nice meet. Since payment can be made online transaction there is no hindrance to this virtual world.







# CONCLUSION

- The spread of the corona virus and the corona virus pandemic has caused the world and big economies a lot of harm by halting education, rendering people homeless and jobless and killing a number of people.
- The use of VR headsets and virtual world can be a new replacement for face to face meetings and education.
- People can now show up in meetings in a virtual world.
- Which is accessible through out the world.





THANK YOU

ENOCH AMPONG