



THEME: LIASA Disrupted

LIASA 2020 VIRTUAL INDABA

3 - 5 NOVEMBER 2020

## LEVERAGING AN ACADEMIC MAKERSPACE

### Rapid Responses to Address Effects Of Covid-19

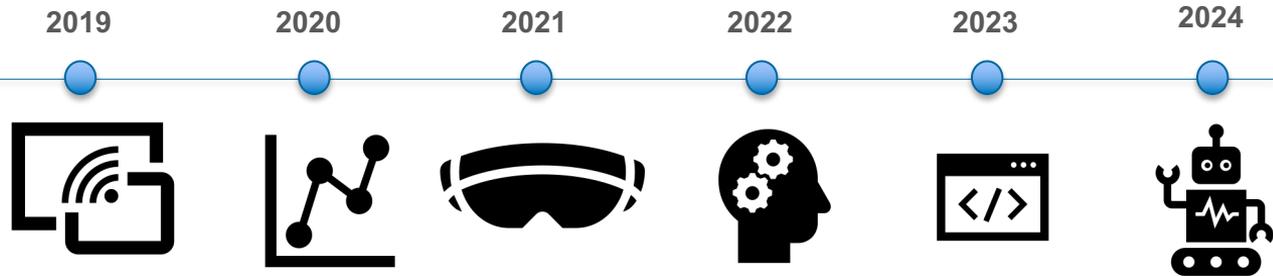
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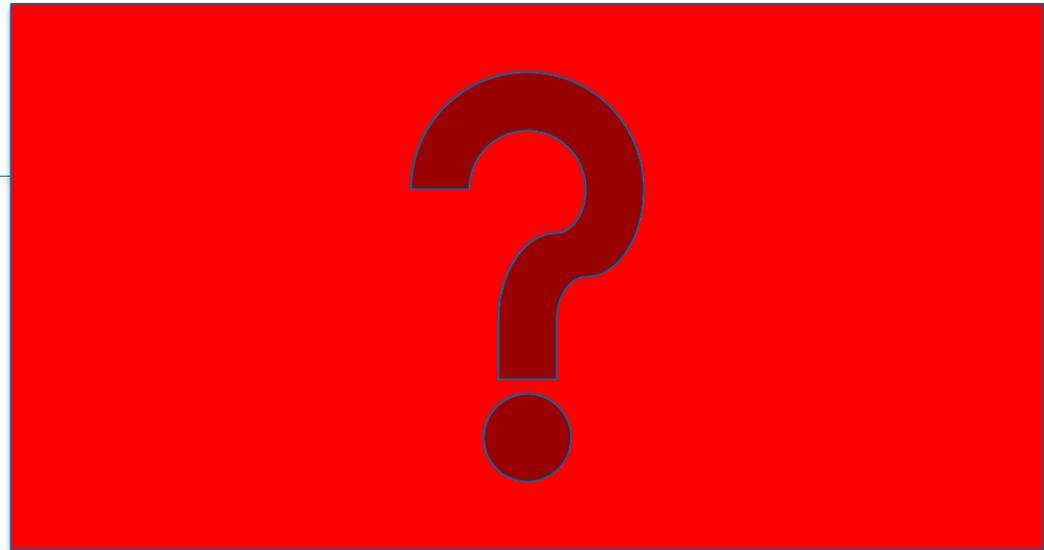
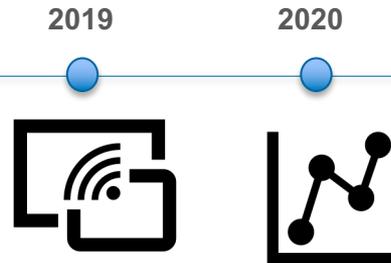
# Innovation Spaces in Higher Education

- Important developments in Technology for Higher Education where innovation is being stimulated through venture labs, incubators, and other businesses and partnerships
- Form part of introducing and leveraging technology adoption and application across several disciplines



# Innovation Spaces in Higher Education

- COVID-19.....



# AGILE Responses Through the Makerspace



# AGILE Responses Through the Makerspace

- UP Makerspace is based in the Library
- Associated with innovation
- Strong skills set
  - Disruptive technology
  - Strategy
  - Creativity
- Used as a strategic tool to:
  - Develop PPE for Medical workers
  - Support SME's and entrepreneurs with the EMS faculty
  - Focused on digital basis for servicing clients

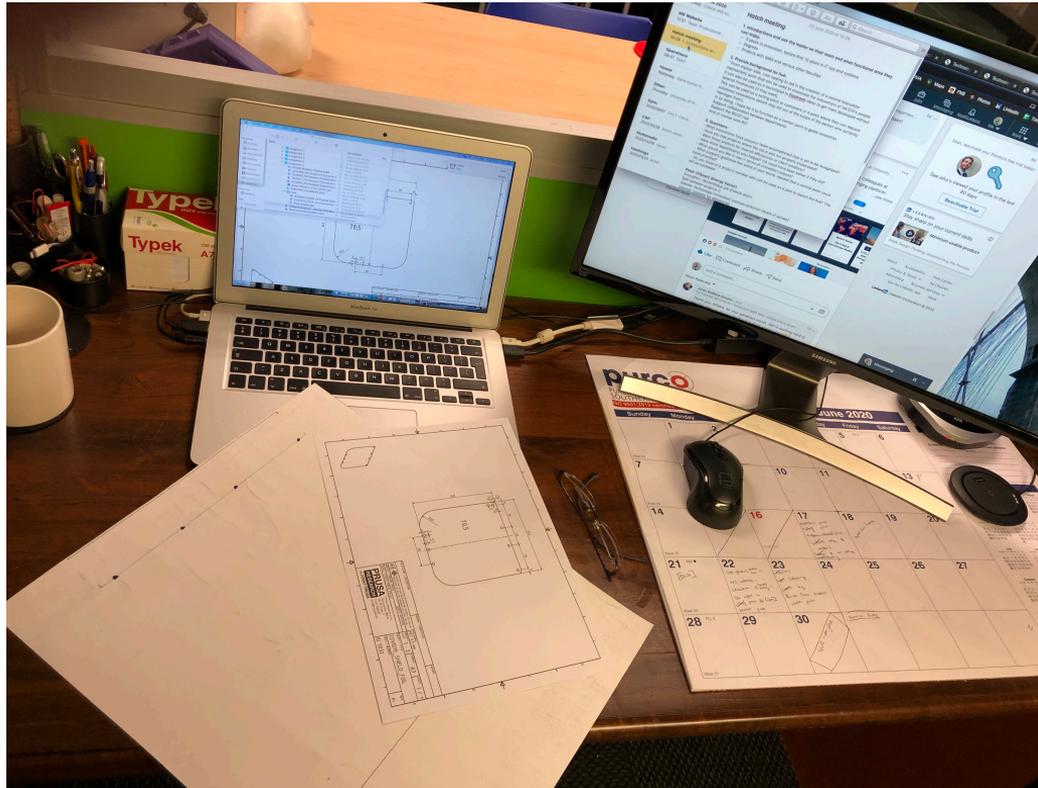


# PPE Equipment

- Faculty of Health Sciences
- External Private Hospitals
- Open source design edited as required



# PPE Equipment



# PPE Equipment



# Makerspace's Role: Pre and Post COVID-19

- Collaboration and partnerships remain vital
- Access to rapid prototyping technology and effective application across disciplines
- We continue to offer our services, albeit through digital engagements
  - Expertise and consultation for research enablement
  - 3D printing and consultation (collection arranged where required)
  - Teaching and learning support

# Conclusion

- Changing environments require an Agile approach
  - To address needs of our clients
  - And our communities
- The Makerspace is one of several units who managed this, as it is known as an innovation hub to
  - Channel resources and
  - Foster collaboration
    - With the right skill set



# Thank you

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