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# Workshop 1

## COS70008 Technology Innovation Research and Project

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# Acknowledgement of Country

We respectfully acknowledge the Wurundjeri People of the Kulin Nation, who are the Traditional Owners of the land on which Swinburne's Australian campuses are located in Melbourne's east and outer-east, and pay our respect to their Elders past, present and emerging.

We are honoured to recognise our connection to Wurundjeri Country, history, culture, and spirituality through these locations, and strive to ensure that we operate in a manner that respects and honours the Elders and Ancestors of these lands.

We also respectfully acknowledge Swinburne's Aboriginal and Torres Strait Islander staff, students, alumni, partners and visitors.

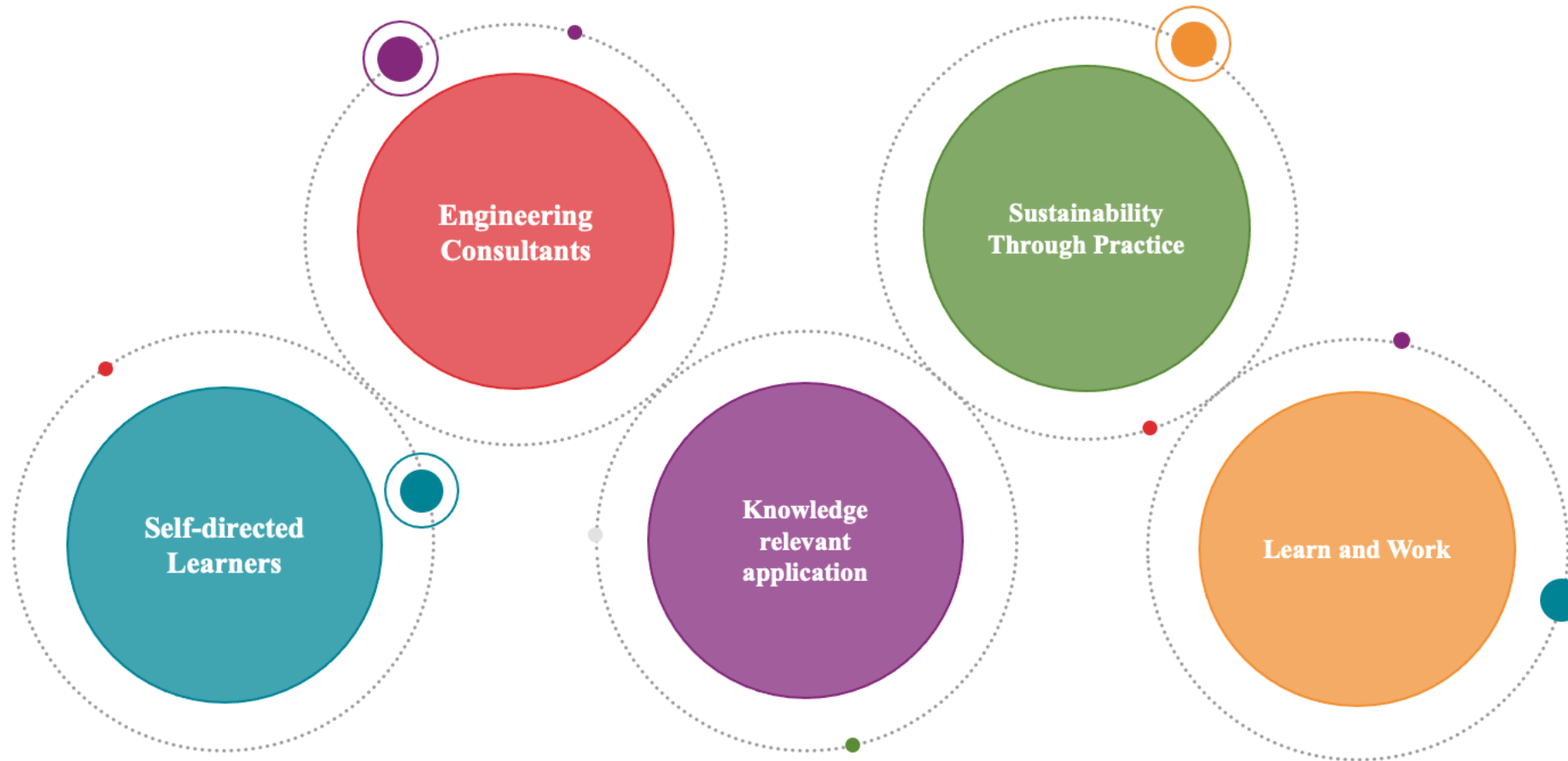
We also acknowledge and respect the Traditional Owners of lands across Australia, their Elders, Ancestors, cultures, and heritage, and recognise the continuing sovereignties of all Aboriginal and Torres Strait Islander Nations.

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# Transforming Engineering Education



# Knowledge

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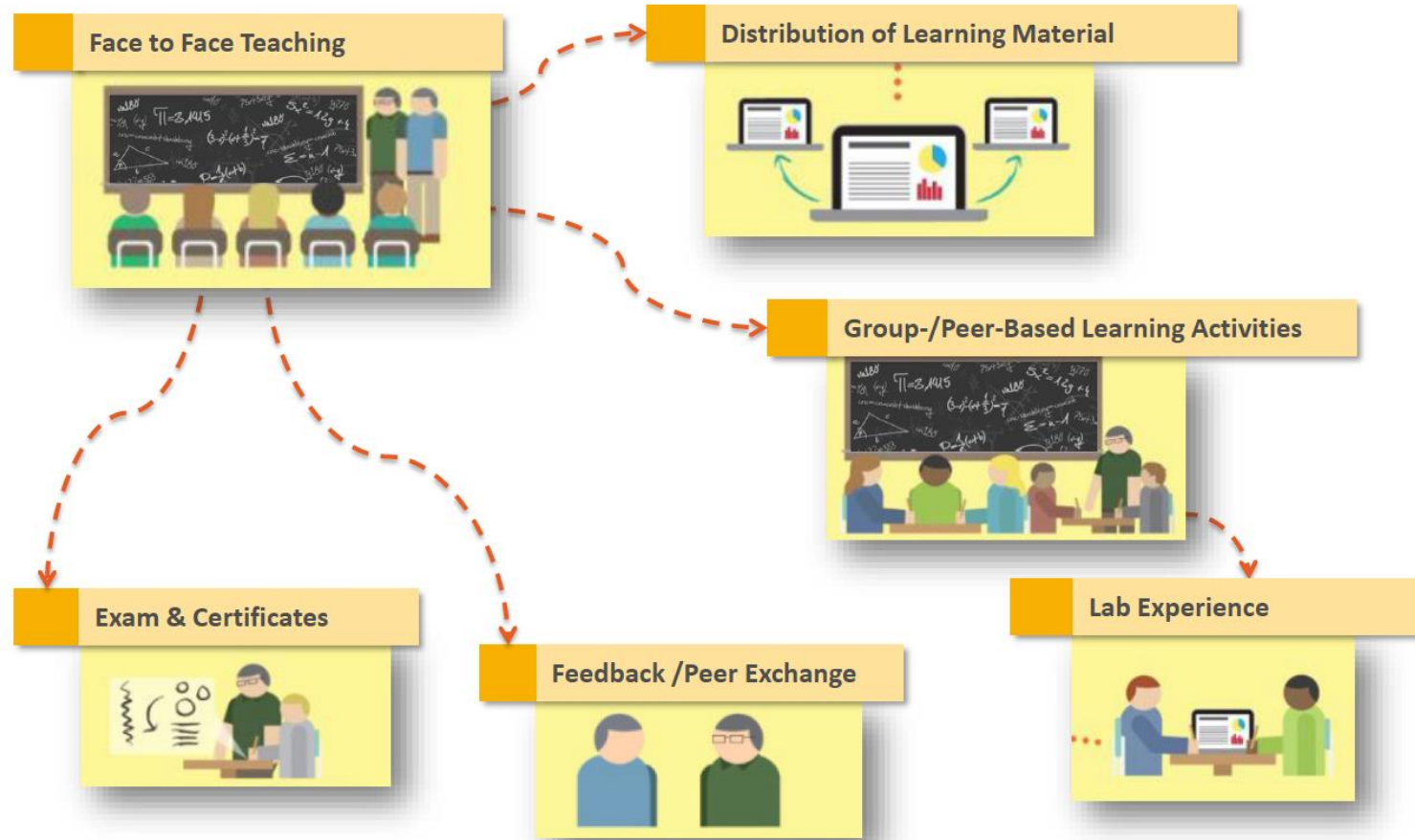
**“I forgot to make a back-up copy of my brain,  
so everything I learned last semester was lost.”**

“To know what you know and what you do not  
know, that is true knowledge”

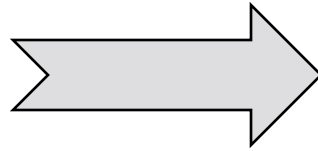
Confucius

**Transferred knowledge will be returned after exams**

# Style of learning and teaching

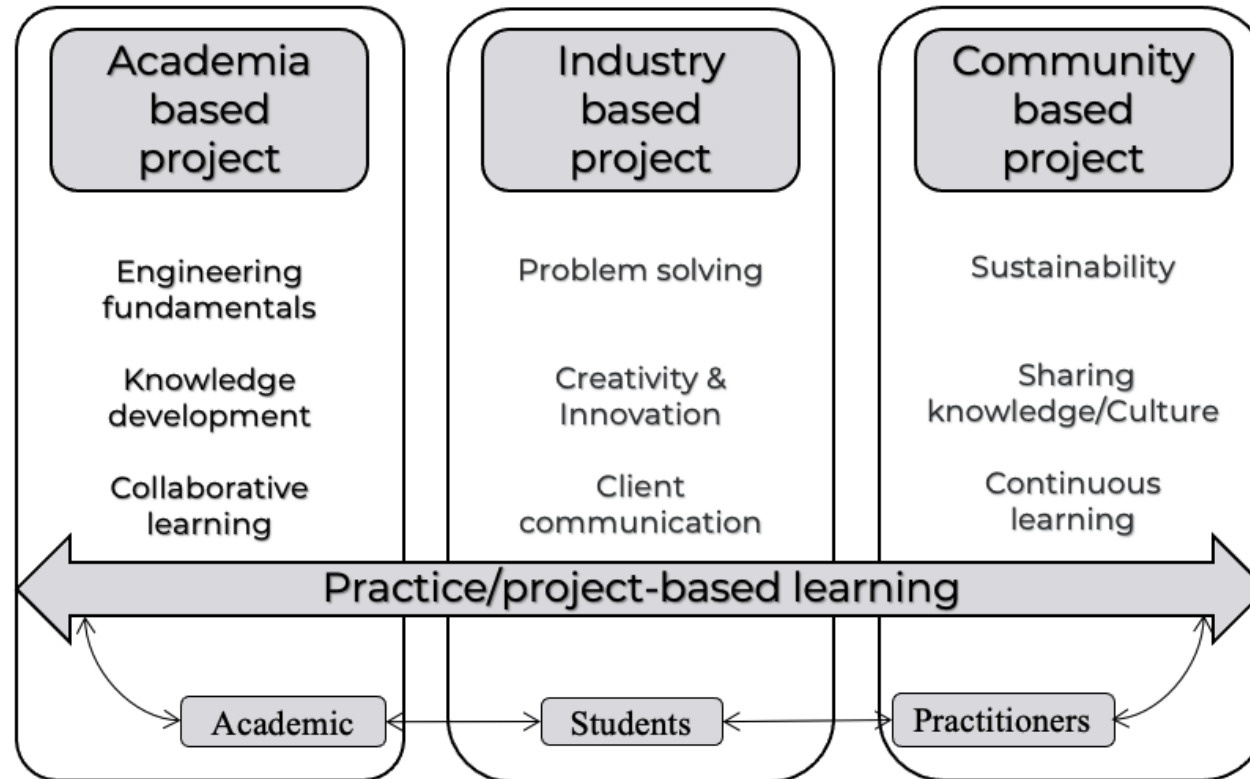


# Innovation in Learning



**Learning through reflection on doing**

# Practice/Project-based learning





# Activity 1

**Aim** : **GENERATING A RESEARCH QUESTION and SCOPING**

- Instructions** :
1. After some basic housekeeping, each team member is to note down their areas of interest or speciality.
  2. Next, as a group brainstorm a research question which includes as many interests as possible.
  3. As a group, try to link this question back to your project topic(s) from your seminar earlier this week.
  4. Finally, evaluate individually if you think this achievable within 1 semester for your group.



**Teamwork: 20 minutes**



# Activity 2

**Aim** : **COMMUNICATING YOUR TOPIC**

As a team, discuss your research problem,

- Instructions** :
1. Identify what parts you already know, and
  2. what parts you don't know about.
  3. Refine the question
  4. Explain why you (the team) want to explore this.
  5. Explain why people outside of the team should care.



**Teamwork: 20 minutes**

# Activity 3

**Aim** : **WORKING WITH A CLIENT**

- Instructions** :
1. Discuss how to present your team (to a client) as experts.
  2. Discuss how to make your client trust that your team are professionals
  3. Discuss how to “manage expectations” when the client wants something impossible/unlawful/crazy.
  4. How can you tell if the client does not know what they want?
  5. How will you get useful feedback from your client?



**Teamwork: 20 minutes**