

Summer Research Projects

Project title: Diagnosing the value of Artificial Intelligence within the Public Sector

Project duration, hours of engagement & delivery mode:

Expected duration of the project will be 10 weeks during Summer Vacation, with expected hours of engagement between 20 - 25 hours per week.

With respect to COVID-19 considerations, the project can be completed under a remote working arrangement, on-site attendance is preferred to enhance engagement and learning opportunities.

Collaborators: SAP

Description:

In collaboration with our industry partner SAP, an Artificial Intelligence Maturity Model (AIMM) is being developed, leveraging a body of research focused on better understanding the challenges posed through the implementation of AI transformation programs across the public sector ¹

In its current form, the five-stage model encapsulates an array of dimensions and attributes. A key dimension of the model is the construct “*value*”.

The objective of this research project is to:

- 1) Define the construct of public value within the broader context of Artificial Intelligence transformation
- 2) Explore and define the supporting attributes of public value
- 3) Explore how these attributes can be best reflected and integrated within the existing AIMM.

Data will be collected from a variety of activities such as interviews, case studies and questionnaires. There is potential for focus group sessions to form part of the research design.

Expected outcomes and deliverables:

Applicants will gain / refine skills in data collection, analysis, and artefact refinement, as well as deeper understanding of key theoretical concepts of artificial intelligence transformation.

Suitable for:

This project would be most suitable for 4th year students with an information systems background, and strong literacy skills.

Sound critical thinking skills, with a high attention to detail will be advantageous. Ability to prioritise multiple tasks to meet deadlines

Primary Supervisor:

[Dr Katie Williams](#), Senior Lecturer, BIS

Further info:

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¹ (Rinta-Kahila, T., Someh, I., Gillespie, N., Indulska, M., Gregor, S., Van Leent, R., Ryan, I. (2020). [Delivering AI Programs in the Public Sector: Guidelines for Government Leaders]. The University of Queensland and SAP SE).