IDT503 – Data Science and Cyber Security

Average Learner Profile

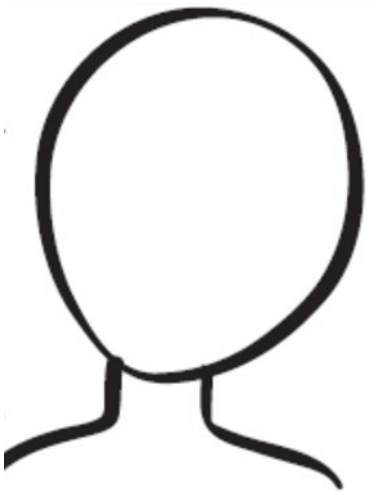
Data Science and Cyber Security

Occupation:

- Skilled manufacturing / process engineer
- Data Engineer
- Machine Learning Engineer

Motivation for studying:

- Acquire in depth understanding of advanced data engineering processes, methodologies, and principles with emphasis on industrial automation.
- Actively engage in enquiring data science workflows, security management principles and defence concepts in digital manufacturing.



Study skills strengths and weaknesses:

- Maybe many years since formal learning and classroom type environment
- Ability to solve complex problems faced in smart industrial environments
- Critically synthesize information from multiple sources to inform problem solving.

Educational background:

- HNC / D
- Engineering degree

Work experiences:

- Experienced engineer

Expectations for the course:

- Flexibly apply knowledge on the creation of pragmatic data-driven solutions as a response to multi-faced threats and risks in modern cyber infrastructures.
- Investigate real-life scenarios using a variety of tools and techniques to evaluate the benefits and limitations of ML/AI technologies in industrial IOT environments.