

# **BUS375e Artificial Intelligence for Social Good**

**Level:** 3

**Credit Units:** 5 Credit Units

**Language:** ENGLISH

**Presentation Pattern:** EVERY SEMESTER

**E-Learning:** BLENDED - Learning is done MAINLY online using interactive study materials in Canvas. Students receive guidance and support from online instructors via discussion forums and emails. This is supplemented with SOME face-to-face sessions. If the course has an exam component, this will be administered on-campus.

## **Synopsis:**

BUS375 Artificial Intelligence for Social Good aims to equip students with a framework in which they can gain a basic understanding of AI, its implications, and how to balance the human-AI relationship for common good. AI has the potential to play important roles in the operations of various types of organisations. It can generate benefits as well as pose risks, determined by how, when and where to use it. Hence, understanding the cutting-edge AI technologies and applying them to benefit society is important. Students will be exposed to real life examples and case studies to gain an understanding of AI adoption and various domains of social goods, AI capabilities, AI-powered decision-making and AI methods for common good. In addition, they will have opportunities to examine challenges of AI adoption in terms of data, talent and implementation as well as analyse the limitations and the risks posed by AI solutions for social good.

## **Topics:**

- Introduction to AI and machine learning
- Research on AI for social good
- AI adoption and domains of social good
- AI capabilities and AI-enabled opportunities for social good
- AI methods for social good
- AI-powered decision-making
- Successful AI application cases for social good
- Leveraging AI for social good
- Global partnership on AI for social good
- Challenges of AI deployment
- Risks, ethical issues and limitations of AI solutions
- Contemporary issues of AI

## **Learning Outcome:**

- Demonstrate an understanding of AI cases and domains of social good
- Illustrate AI-enabled opportunities and capabilities for social good
- Recommend how to leverage AI for common good, and discuss contemporary topics in AI
- Appraise how AI can be successfully adopted to create social good
- Examine factors affecting decision-making in choosing AI methods to address social issues, and challenges of AI deployment
- Analyse the risks, ethical issues and limitations of AI solutions for social good

**Assessment Strategies (Evening Class):**

<b>Components</b>	<b>Description</b>	<b>Weightage Allocation (%)</b>
Overall Continuous Assessment	PRE-CLASS QUIZ 1	2
	PRE-CLASS QUIZ 2	2
	PRE-CLASS QUIZ 3	2
	PARTICIPATION 1	6
	TUTOR-MARKED ASSIGNMENT 1	18
	GROUP BASED ASSIGNMENT 1	20
Overall Examinable Components	Written Exam	50
<b>Total</b>		<b>100</b>