DATA ANALYTICS FOR ARTIFICIAL INTELLIGENCE

Module Code: H9DAI Module Level: Level 9

Programme

MSCAIJAN24I

Lecturer

Dr Anu Sahni

Continuous Assessment (30%)

1. Administrative Data

This Continuous Assessment (CA) is worth 30% of the final grade awarded.

Submission details:

 In-class Test

Monday 26th February 2024 9:00-11:00

- Extension/Re-run

  Should any student miss the assessment deadline with a valid reason, the student can apply for an extension/rerun using the Extension/Re-run Form online, via NCI360.

- N.B.

  All submissions will be electronically screened for evidence of academic misconduct (plagiarism and collusion).

2. Learning Outcomes

On successful completion of this module the learner will be able to:

#	Learning Outcome Description
LO1	Retrieve, extract, manipulate, synthesise, explore, and visualise data in preparation for data analysis and machine learning.

LO2	Demonstrate expert knowledge of the theory, concepts and methods associated with the analysis of data using numerical and statistical techniques to assist on decision-making.

LO3	Use fundamental machine learning concepts and techniques to build and evaluate machine learning models on various problem domains.
LO4	Evaluate and employ graphical tools for building comprehensive analytics processes and dashboards.
LO5	Critically analyse, compare, summarise, and present results to support decision making and address requirements in real-world problems.

This CA addresses learning outcomes 1, 2, 4.

3. CA Requirements

Assessment will be through an in-class, open book test, that will require learners to retrieve, extract, manipulate and present data. Learners will be also asked to make statistical inferences and draw conclusions about a population.

Report templates are provided in MS Word format.

4. Submission Instructions

Students must submit their work using the module's Moodle page.

- Report – The report should be submitted in **PDF format**.
- Submission deadline is **Monday 26th February 2024 11:00**. Late submissions are not accepted.

5. Marking Scheme

This Continuous Assessment (CA) is graded in the 100% scale. See the Sample CA Paper for details.