Module/Week Organizer

Course: INFO 531: Data Warehousing and Analytics in the Cloud
Module/Week: 1 - Week of January 11, 2023
Topic: Decision Support Systems (DSS); Introduction to Data Warehousing

<u>Introduction</u>:

Week 1 Lecture video/slides offer a high-level introduction to Decision Support Systems (DSS). The ACM Sigmod Record article on 'An Overview of Data Warehousing and OLAP Technology' provides insight into a typical data warehouse design and extract-transform-load (ETL) process.

<u>Objectives</u>:
- Discuss what Decision Support Systems (DSS) is
- Differentiate between operational data and DSS data
- Describe back-end tools for extracting, cleaning and loading data into a data warehouse
- Describe the data warehouse architecture and metadata management

<u>List of Activities:</u>
- Read the syllabus under START HERE under the course content on D2L
- Watch the Week 1 lecture video and read the slides
- Read the ACM Sigmod Record article on 'An Overview of Data Warehousing and OLAP Technology'
- Complete the Mandatory Introduction Discussion in D2L
- Participate in Week 1 Discussion in D2L
- Complete the Week 1 assignment in D2L

<u>Graded Activities: Due by the end of Week 1</u>
- D2L: Week 1 Assignment
- D2L; Week 1 Discussion posts