

# MIS6212 : Cognitive Computing

This course is an introduction to computational theories of human cognition such as knowledge representation, problem solving, search, natural language processing, learning, etc. In addition to covering the fundamentals of Artificial Intelligence, the course also provides an opportunity to explore the contemporary cognitive computing topics such as data mining, machine learning, predictive analytics, big data and its applications. This is designed as a graduate seminar like course emphasizing study and discussion of a collection of contemporary technical papers. The students are expected to achieve an overview of recent research and application areas of cognitive computing.

**Credits** 4.0

**Prerequisites**

IST6000 or [MIS6000](#)

**Corequisites**

None