

IT8416

Data Mining



Course Aim To introduce students to the fundamental concepts, algorithms and techniques of Data Mining. To develop students' abilities to apply techniques and software tools to discover hidden patterns and regularities in databases. Students will then perform analysis to predict future trends.

Short Title

Faculty EDICT

Credits 15

Pre-requisites IT6010 (ITB5010)
&
IT7005 (ITB6005)

Co-requisites None

Anti-requisites None

Version 2

Effective From February 2016

NQF Level 8

Student Contact hrs 60

Self-directed hrs 60

Other directed hrs 30

Total learning hrs 150

Learning

Outcomes

- On successful completion of this course, students will be able to:
- 1 Demonstrate critical knowledge and understanding of the fundamental concepts and techniques of Data Mining
 - 2 Utilise data mining software to solve defined and undefined problems.
 - 3 Interpret and evaluate obtained numerical and graphical data to recommend the best model to be used for prediction purposes.

NQF Sub-strand

Theoretical
Understanding
Practical
Application of
knowledge
Practical
Application of
knowledge