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