Data Mining Group

Machine Intelligence and Knowledge Discovery Lab (MIND Lab)
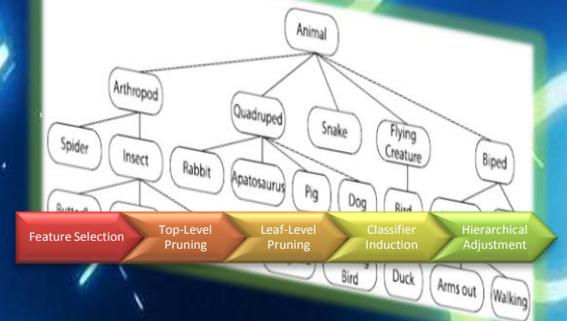
Ongoing Research Projects

☑ **Emotion Prediction Using EEG Data**
Aim to propose a novel emotion prediction algorithm using Electroencephalograph (EEG) signal, a recording of brain electrical activity.

☑ **Large-scaled Hierarchical Multi-label Classification**
Propose new methods for addressing hierarchical multi-label classification problem which outperform the existing standard algorithm in terms of time and accuracy.

☑ **Twitter Data Dispersion Analysis**
Apply suitable data mining techniques for analyzing dispersion characteristics of Twitter data. Also, develop web application processing and reporting results for user.

☑ **Data Quality Management for Hydrological Data**
Devise a system to capture and notify inconsistency in hydrological data. Moreover, research new methods to enhance detecting flawed cumulative rain level data.