

## ME – 2<sup>nd</sup> Semester

### Machine Learning Lab - Week 2

#### **TITLE**

Exploring various machine learning techniques using KNIME tool

#### **TASKS**

- (1) Explore the KNIME Workbench and record your observations.
- (2) Explore the various Example Workflows in the KNIME tool.
- (3) Attempt a simple classifier based on Decision Tree using KNIME tool and record your results observations for weather dataset available at <https://storm.cis.fordham.edu/~gweiss/data-mining/datasets.html>

Hint: Refer [https://www.tutorialspoint.com/knime/knime\\_tutorial.pdf](https://www.tutorialspoint.com/knime/knime_tutorial.pdf)

Pages 11 -23.

- (4) Build your own model for clustering the iris dataset available at <https://storm.cis.fordham.edu/~gweiss/data-mining/datasets.html> and record your results and observations.

Hint: Refer [https://www.tutorialspoint.com/knime/knime\\_tutorial.pdf](https://www.tutorialspoint.com/knime/knime_tutorial.pdf)

Pages 24 - 38.