



# National Institute of Technology

## Tiruchirappalli, Tamil Nadu – 620 015

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### Assignment I

Date: 16.03.2022

1. Consider the given dataset and apply various Data Preprocessing steps to make it fit for applying machine learning algorithms.

*[Hint: Data Preprocessing, Feature Encoding, Feature Engineering, Feature Binning, Feature Scaling, Feature Selection, Dimensionality Reduction, Data Visualization Techniques, Outlier Detection, Outlier Handling, Class Imbalance, etc.]*

- ✓ Prepare a neat documentation, expressing each and every step with reason. Also, specify the corresponding code and its outcome.
- ✓ Final dataset should be an efficient one and all the features should be of either “Int” or “Float” data type
- ✓ Mention the target feature.

**Deadline – 05.04.2022 by 05:00 PM**