A picture containing text, clipart

Description automatically generated

**IHC – Reinforcement Learning**

**Industry Assignment No. 1**

**Problem Statement**

We have to build and train a Deep Q-Network framework that provides a general-purpose, flexible, and easy-to-use library that enables users to do all parts of the trading process.

**Data Set**

In this project we will use gym-anytrading in our notebook.

pip install gym-anytrading

**What is expected**

In order to develop an efficient framework, define actions[Sell = 0 and Buy = 1 and positions Short = 0 and Long = 1]. The goal here is to implement the project with focus on simplicity, flexibility and comprehensiveness.

**Rubrics**

1. Create an environment with custom parameters
2. Plot the environment
3. Extend and manipulate TradingEnv
4. Extend and manipulate ForexEnv
5. Extend and manipulate StocksEnv