

Assignment 1: Present Research Paper.

<u>PAPER NAMES</u>
Multi-Scale Deep Reinforcement Learning for Real-Time 3D-Landmark Detection in CT Scans
Robot Skill Acquisition in Assembly Process using Deep Reinforcement Learning
Improving-exploration-in-evolution-strategies-for-deep-reinforcement-learning-via-a-population-of-novelty-seeking-agents
Human-level control through deep reinforcement learning

The time for presentation is 30 minutes.

Assignment 2: Present Project Proposal topics.

<u>TOPICS</u>
Predicting Future Stock Prices using Reinforcement Learning.
Implementing network architecture search model to generate optimal (deep) neural network for a given dataset.
Object detection using Reinforcement Learning.
Obstacle Avoidance using Reinforcement Learning.

The time for presentation is 30 minutes.

Assignment 3: Present topics related to Generative Modelling.

<u>TOPICS</u>
Hopfield Networks
Deep Belief Network
Deep Boltzmann Machine
Boltzmann Machine & Restricted Boltzmann Machine

Assignment 4: Make a video on one topic Trending in Reinforcement Learning Library.

- Simplify the complex process with detailed explanation that walks viewer through all steps.
- Make good quality video that can engage the viewer.
- Narration in video should be clear.
- Visuals should match the narration.
- Video should begin with title, your name, university name and logo and hold on this slide for some seconds.
- Your video should in format that is supported in you tube.

Video Topics: -

<u>TOPICS</u>
Gym Library
TensorFlow Lite
Caffe Library
Google Colab