**ST1504: DEEP LEARNING**

**(REINFORCEMENT LEARNING)**

**Members:**

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**DIVISION OF WORK**

| **Ryan Ueda Teo Shao Ming** | **Chia Wee Leong** |
| --- | --- |
| Background Research:  Environment | Background Research:  Reward System |
| Background Research:  Q-Learning | Background Research:  Model Evaluation |
| Deep Q Network (DQN) | Deep Double Q Network |
| Deep Dueling Q Network With Prioritized Experience Replay (DDQN-PER) | Deep Dueling Q Network + Advantages |
| Proximal Policy Optimization (PPO) | Deep Deterministic Policy Gradients (DDPG) |