



Module PMRF-ISSS054/II/2023 Reinforcement Learning

Name of the PMRF student

Vamshi Kumar Kurva

Required background of the students taught

CS, EC, EE

Details of the content of the module

1. Introduction to RL, terminology, examples
2. Multi-Armed Bandits
3. Markov Decision Process, Bellman equations
4. Dynamic Programming (Value iteration, policy iteration)
5. Grid-world examples
6. On-policy Monte-Carlo methods
7. Off-policy Monte-carlo
8. Temporal difference Methods
9. N-step bootstrapping
10. Model-based RL
11. Linear Quadratic Regulator
12. Problem-solving session

SYNOPSIS



Schedule of the module

Starts on 28/09/2023

Day: Thursday

Time: 6.00 pm – 8.00 pm

Ends in December first week

Meeting link : Will be shared later

Contact email ID: issf.forum@gmail.com

Registration link: [LINK](#)