**Manipal University Jaipur**

**School of Information, Security and Data science**

**B.Tech. IT**

**IT3101- Artificial Intelligence and Machine Learning**

**2023-24**

**Assignment – Problem Characteristics and PEAS**

Analyze each of below examples with respect to the seven problem characteristic

* Chess
* Water jug
* 8-puzzle
* Traveling salesman
* Missionaries and cannibals
* Tower of Hanoi

Develop PEAS and characterize the environment for following agents

* Robot Soccer Player
* Internet book-shopping agent
* Autonomous Mars rover
* Mathematician’s theorem-proving assistant