## **Reinforcement Learning: Concepts and Use Cases**

Reinforcement learning (RL) is a machine learning paradigm where an agent learns to make decisions

by interacting with an environment. Key components:

- 1. Agent: Learner or decision-maker.
- 2. Environment: The system the agent interacts with.
- 3. Reward: Feedback based on actions.

Applications include robotics, game AI, and autonomous vehicles.