

Reliable QoS in IoT Networks



1



Challenging Environment

App Diversity



User Mobilities

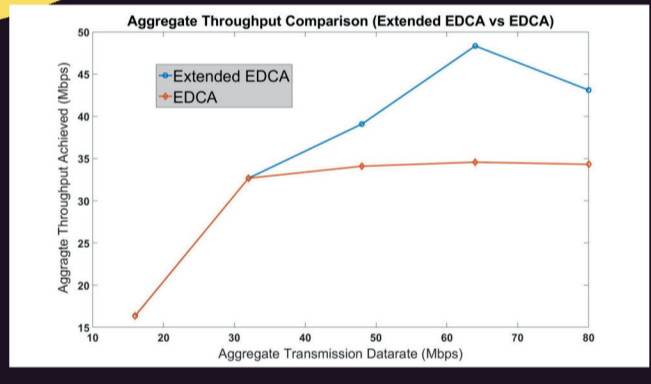
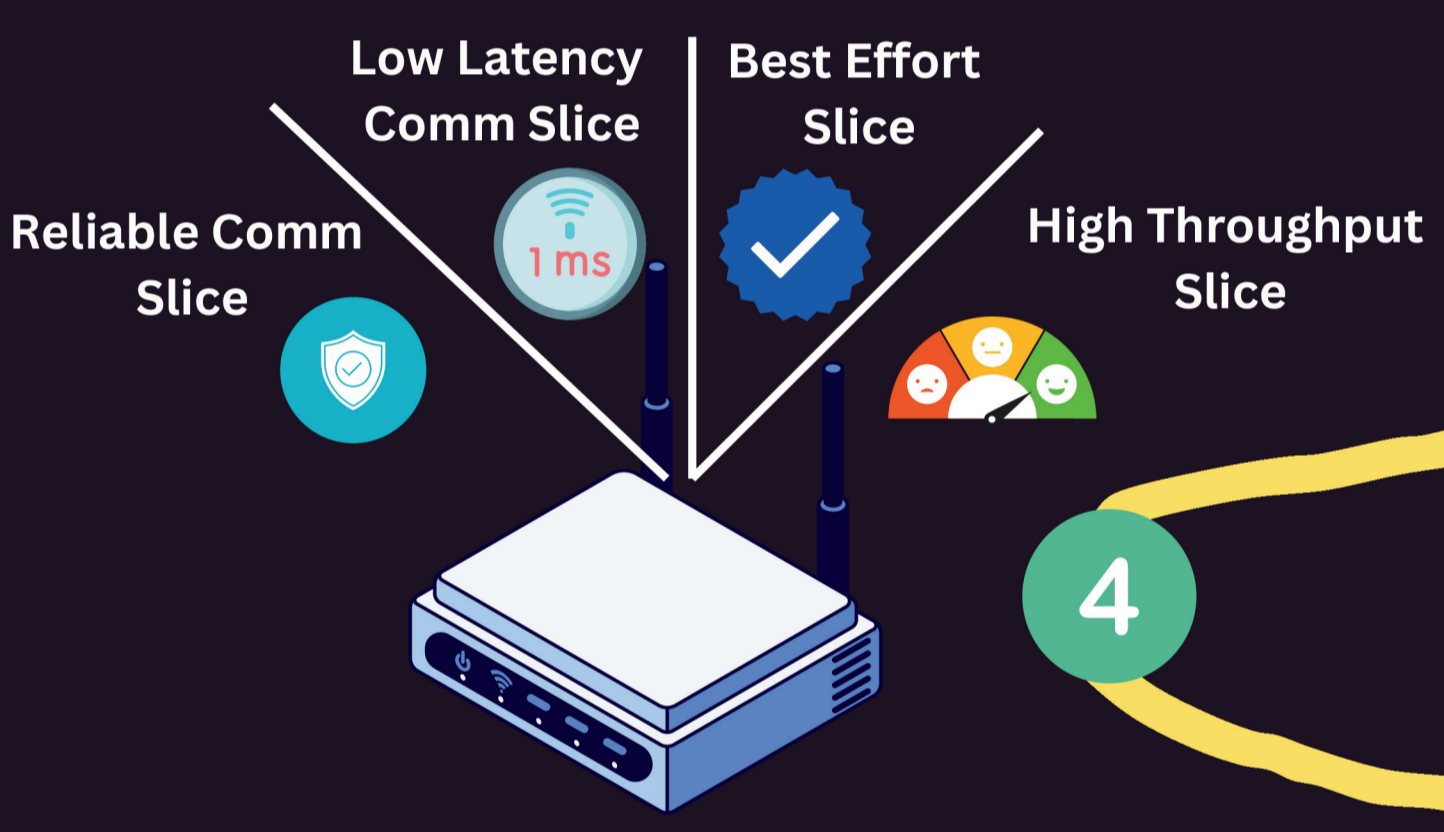
Architectural Improvements



8 Access Categories
Better User/App priorities

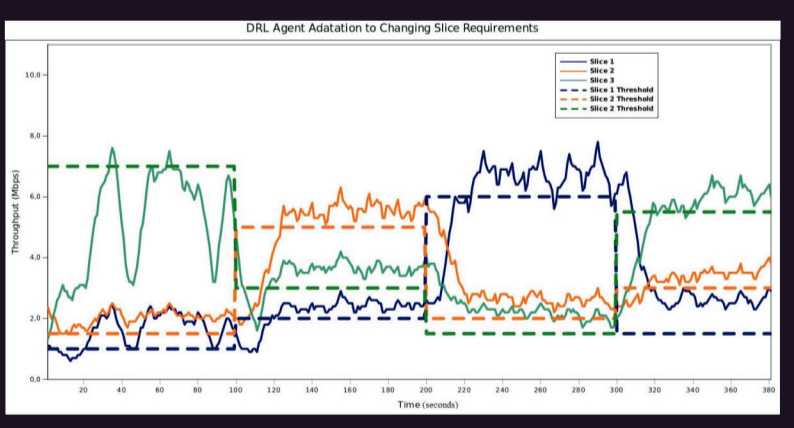
2

3



Network Slicing and Management

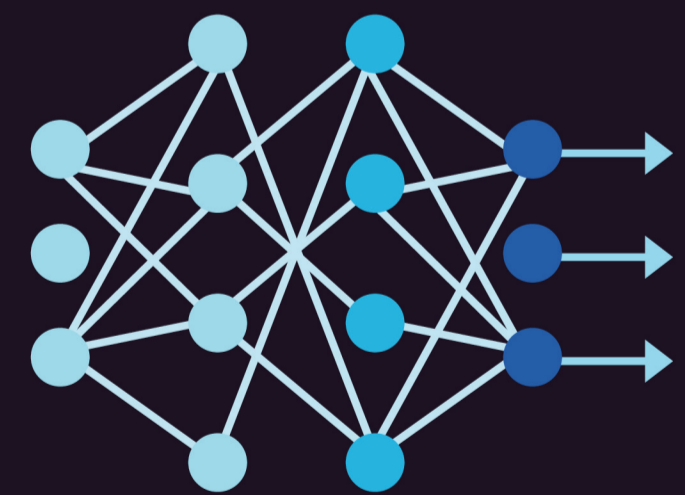
4



OSI Layer Model

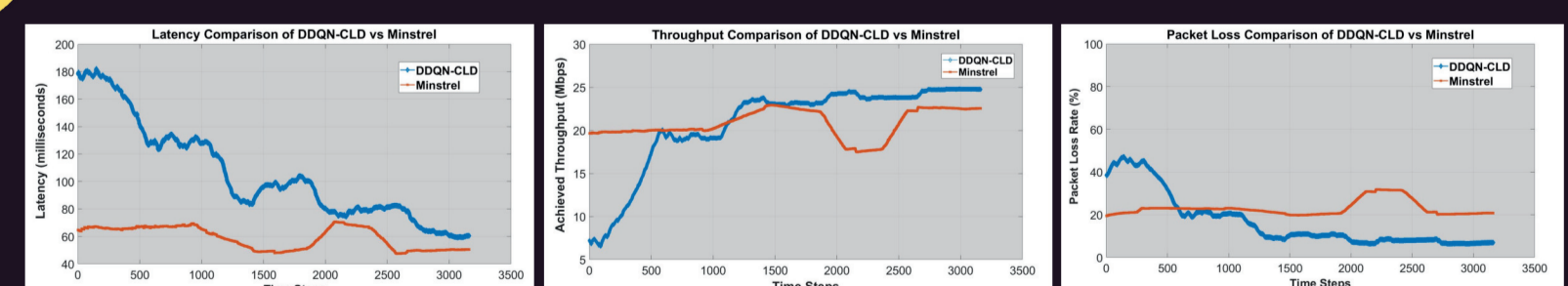
Deep Reinforcement Learning

Network Optimization



5

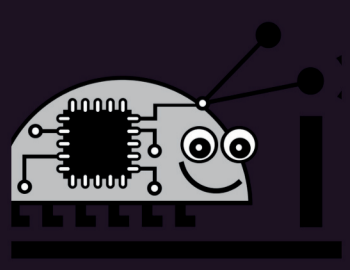
Cross Layer Design and DRL-based Optimization



Flexible, Adaptable and Reliable QoS



pervasive systems



InSecTT



WiFi Empowerment