**Summary of Abstract**

Because of limitations of computational power in classical computers, many ML researchers have turned to QML, in the paper, there will be a **Review of literature in Quantum Machine Learning (QML), comparison of QML to classical counterparts and why Quantum resources will provide an advantage over classical ML.** How to upload classical data into Quantum form, is also taken up.

**Summary of Introduction**

Basic coverage of accomplishments made by ML and Reinforcement learning algorithms, challenges being faced due to restrictions of power of TPUs and GPUs.

Quantum computing is based on quantum mechanics (Entanglement and interference), and can be used to efficiently solve selected problems