**CLASSICAL SIMULATION OF QUANTUM SYSTEMS**

1. **Introduction/Background**

Quantum simulation permits the study of quantum systems that are difficult to study in the laboratory and impossible to study with supercomputers.

Richard Feynman suggested that it takes a quantum computer to simulate large quantum systems, but a new study shows that a classical computer can work when the system has loss and noise.

**1.2. Problem Statement**

This project

**1.3. Aim and Objectives**

**1.3.1. Main objective.**

The main objective

**1.3.2. Specific Objectives**

* To
* To
* To
* To

**1.4. Scope**

Scope

**1.5. Literature review**

Literature review

**1.6. Methodology**

Methodology

**1.7. References**

References