

PROJECT SYNOPSIS

ON

SIMPLIFYING BOOLEAN EXPRESSIONS USING QUINE MCCLUSKEY ALGORITHM

**Submitted To: Submitted By:**

Mr. Jai Shankar Bhatt Ayush Rawat

**TITLE:**

Simplifying boolean expressions using Quine McCluskey algorithm.

**OBJECTIVES:**

The objective of this project is to simplify Boolean expressions using Quine McCluskey algorithm by reducing their complexity and number of terms. This is done by identifying and eliminating redundant or unnecessary terms, resulting in a minimized and more efficient Boolean expression.

**LANGUAGES USED:**

Python

**HARDWARE USED:**

AMD Ryzen 5 5600H, Nvidia GeForce GTX 1650, 16GB Ram, 512GB SSD.

**SOFTWARES USED:**

(Windows 10 version 21H2) / (Arch Linux), VS Code, Python

Signature of Mentor Signature of Student