

ECE 111: Advanced Digital Design Project
Prof. Yatish Turakhia

Final Project Report

June 10, 2023

Conner Hsu (A16665092)
Haozhang Chu (A16484292)
Kirtan Shah (A16227067)

Contents

1	Simplified SHA-256	2
1.1	Introduction	2
1.2	Algorithm	2
1.3	Simulation Results	2
2	Bitcoin Hashing	3
2.1	Introduction	3
2.2	Algorithm	3
2.3	Resource Usage	3
2.4	Simulation Results	3

1 Simplified SHA-256

1.1 Introduction

1.2 Algorithm

1.3 Simulation Results

2 Bitcoin Hashing

2.1 Introduction

2.2 Algorithm

2.3 Resource Usage

2.4 Simulation Results