

# Synthesis of formally verified hardware

Vismay Raj T

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## 1 Introduction

Throughout the pages in this folder I'll explain the process of developing the project. This project aims to develop a program that will be able to produce formally verified hardware code. The development of this project is done using the proof assistant called Coq.

## 2 Coq

Coq is a Proof Assistant for a Logical Framework known as the Calculus of Inductive Constructions.