

# KALDI ASR RESEARCH TEAM

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# Technical Overview

## **What is the main objective of the project?**

- Toolkit developed by Johns Hopkins University for ASR model development.
- Bloated, complex, and poorly documented.
- Requires powerful hardware to run with ease.

# Context

## **What is the main objective of the project?**

- Create an ASR model with the highest accuracy and lowest runtime possible to transcribe live ATC communication to text in real time
- Create a user manual for the Kaldi ASR Toolkit.

## **What you hope to accomplish?**

- Understand the structure of the Kaldi ASR Toolkit.

## **What problem is it solving?**

- Lack of a foundation in knowledge regarding ASR model development for ATC applications.

# Relevance

## **Implementation of ASR for ATC applications**

- Provides a training resource for student pilots at ERAU.
- Potential use in the aerospace industry.

**The End**