**Hyperdimensions**

Assignment

Speech to text conversion of live stream data

NLP

# Problem Statement

Speech Recognition is an important feature in several applications used such as home automation, artificial intelligence, etc. In many cases we need to convert the speech coming from live stream into text.

**Propose a Solution that can solve this issue of converting audio data coming from a live stream(HLS/DASH format) in text data. Do not use any pretrained models, the model should be built from scratch.**

## Timeline

The assignment is to be completed and submitted in a period of 3 days or less. Assignments submitted after this period won’t be accepted.

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## Metrics

Accuracy of more than 60percent is required for eligibility of a candidate. Solution will be evaluated based on the approach taken as well as the accuracy achieved in the final model.

## Dataset

Dataset is not provided with the assignment. The candidate is expected to either gather the data on his own or use one of the publicly available datasets for this problem.

## Submission

Submission should contain code, training and testing data and also have the trained model file attached. It should also contain the approach followed, and accuracy/performance achieved.

Preferred way to submit solution code is either by github repo or colab notebook.

## Miscellaneous

1. Model should not be copied from existing solutions, if found, it will lead to candidate rejection.
2. The trained model should be saved.
3. Training can be done on google colab or on the local system.