Multiple Events Detection or Audio Tagging

Given to you on 29th September

- A labeled dataset of 10 tags (total 5000 samples)

Given to you on 23rd October at 3 PM

- 1000 test samples

You submit on 23rd October by 5 PM

- Your codes
- a csv file with the following header fileid,prediction

An example csv is:
fileid,prediction
a100.wav,class1, class3..
a101.wav,class2

Given to you on 23rd October at 6 PM

- ground truth for the 1000 test samples

You submit on 23rd October by 10 PM

- A report in NeurIPS format containing
  - Introduction (1 paragraph)
  - Literature survey (1 paragraph)
  - Your method (details)
  - Your Precision, Recall, F1 score, confusion matrix (tables)
  - Observations and discussion

Add figures wherever necessary.

Evaluation criterion

- Report: 5 marks
- Codes: 5 marks
- 5 marks per unique method
  - Use multiple methods and report performance for each of them
  - Hyperparameter variation won't be considered a different method
  - Good observations and discussions will fetch more marks
- F1 score: 30 marks