

Project Phase I: Read out loud

Instructions:

- The aim of this project is to give you a hands-on with a real-life machine learning application.
- There are two phases of this project. In phase I, you are required to do data collection while in phase II you will use the collected data to build speaker recognition and gender classification models (more details on phase II will be shared later).
- This is a group project and maximum number of members per group is 5. **However, please clearly note that each member of the group is required to complete and submit phase I individually.**
- Declare your group details [on this sheet](#) by the phase I deadline.
- Phase I will serve as a backbone for phase II. Any irregularities here will not only affect your project but also your group's project. In case of any ambiguity ask the TAs first.
- **Carefully read the submission instructions at the end of project. Late days policy is not be applicable to project phase I.**
- Deadline to submit phase I is: **Sunday, 15th November 2020.**

Problem:

You are required to record the quick answers to the following questions in Urdu. Please carefully read the recording guidelines below before start recording.

1. ایک ایسی جگہ کے بارے میں بتائیں جہاں آپ چھٹیاں گزارنا چاہیں گے ؟
2. لمز یونیورسٹی میں آپ کا سب سے دلچسپ تجربہ کیا رہا ؟
3. کورونا وائرس کی وجہ سے ہونے والے لوک ڈاؤن میں آپ کو سب سے زیادہ مشکل کیا درپیش رہی ؟
4. اپنے مشین لرننگ کے کورس کے اب تک کے تجربہ کے بارے میں کچھ بتائیں ؟
5. آپ مشین لرننگ کے کورس میں کیا بہتری دیکھنا چاہیں گے ؟
6. اپنے پسندیدہ سائنس فکشن کریکٹر کے بارے میں کچھ بتائیں ؟
7. وہ کیا وجوہات ہیں جن کی بنا پر آپ ہنچلرز کے بعد مزید تعلیم حاصل کرنا چاہیں یا نہ چاہیں گے ؟
8. اپنی پسندیدہ کتاب کے بارے میں کچھ بتائیں ؟
9. اپنے پسندیدہ ڈرامے یا فلم کے بارے میں کچھ بتائیں ؟
10. کیا آپکو کائنات میں ایلیٹز کی موجودگی کا خیال اچھا لگتا ہے ؟

Disclaimer: Please do not record your personal information such as your name, roll number, cell number, CNIC etc. as part of your answers.

Recording Instructions:

- You are required to use [Praat](#) for recording.
- Record mono sound with a sampling frequency of 16000 Hz.
- Watch this short introductory video on Praat: <https://www.youtube.com/watch?v=ibLra0Yk36A>
- Record each answer separately and save them in separate files e.g. 1.wav, 2.wav where 1 & 2 are question numbers
- Each recording must have a .wav extension.
- Utter sentences at your normal pace, don't be too fast and don't be too slow either.
- Use a good headphone mic for recording.
- Don't place your mic directly in front of your mouth and nose to avoid breathing noise.
- Don't use a lot of uhhs, umms, hmm, breaks, and try to use proper words.
- Try to avoid background noise as much as possible
- Make sure your recorded answer doesn't exceed 12 - 15 seconds. For your own convenience, you can write your answers beforehand on paper/ MS word and then record them.

Submission Instructions:

Place all your recordings in one folder and name the folder as your roll number and gender e.g. 21100000_F (where F is for female). Now, zip the folder and submit it to LMS.