Assignment: Lip Sync Model Implementation

Objective:

The objective of this assignment is to implement an existing open-source lip sync model and generate output videos using provided input data. Candidates will work on setting up, running, and demonstrating the model's effectiveness.

Assignment Details:

1. **Select an Open-Source Lip Sync Model**
   Choose any open-source lip sync model (list provided below) and implement it.
2. **Model Implementation**
   - Set up the model in a local or cloud environment.
   - Use the provided input image and script.
   - Generate audio using a Text-to-Speech (TTS) tool of your choice (e.g., ElevenLabs, Google Wavenet) with an Indian accent.
   - Run the model with the provided inputs (image and audio).
   - Generate and save output lip-synced videos.
3. **Deliverables**
   - Code repository
   - Generated lip-synced video file.

Evaluation Criteria:

- Quality of generated lip-sync output.
- Successful model implementation.
- Clarity and structure of the code repository.

Reference Open-Source Models:

1. Wav2Lip (https://github.com/Rudrabha/Wav2Lip)
2. SyncNet (https://github.com/joonson/syncnet)
3. LipGAN (https://github.com/Rudrabha/LipGAN)
4. MuseTalk (https://github.com/TMElyralab/MuseTalk)
5. LatentSync(https://github.com/bytedance/LatentSync)

Candidates can implement any of these models (but are not restricted to these) and provide the generated outputs.

Script

Namaste Mathangi! My name is Anika, and I'm here to guide you through managing your credit card dues. Mathangi, as of today, your credit card bill shows an amount due of INR 5,053 which needs to be paid by 31st December 2024
Missing this payment could lead to two significant consequences:
First, a late fee will be added to your outstanding balance.
Second, your credit score will be negatively impacted, which may affect your future borrowing ability.
Make your payment by clicking the link here... Pay through UPI or bank transfer. Thank you!

Image