```
import gradio as gr
import whisper
from deep translator import GoogleTranslator
import os
import uuid
import asyncio
import edge tts
# Load the Whisper model for speech-to-text
model = whisper.load model("base")
# Language and voice settings with correct Edge TTS voice
names
language settings = {
  "English": {"code": "en", "voice": "en-US-GuyNeural"},
  "Tamil": {"code": "ta", "voice": "ta-IN-ValluvarNeural"},
  "Hindi": {"code": "hi", "voice": "hi-IN-MadhurNeural"},
  "Malayalam": {"code": "ml", "voice": "ml-IN-
MidhunNeural"},
  "Kannada": {"code": "kn", "voice": "kn-IN-GaganNeural"},
  "French": {"code": "fr", "voice": "fr-FR-HenriNeural"},
  "Arabic": {"code": "ar", "voice": "ar-SA-HamzaNeural"},
}
```

```
# Asynchronous TTS audio generator using Edge TTS
async def generate_edge_tts(text, voice, output_path):
  communicate = edge tts.Communicate(text=text,
voice=voice)
  await communicate.save(output path)
# Main function to transcribe, translate, and generate speech
def transcribe translate speak(audio path,
target language name):
  try:
    lang code =
language settings[target language name]["code"]
     voice =
language_settings[target_language name]["voice"]
    # Step 1: Transcribe the audio
    result = model.transcribe(audio path)
     original text = result["text"]
    # Step 2: Translate to target language
     translated text = GoogleTranslator(source='auto',
target=lang code).translate(original text)
```

```
# Step 3: Convert translated text to speech using Edge
TTS
     output audio path =
f"translated {uuid.uuid4().hex}.mp3"
     asyncio.run(generate edge tts(translated text, voice,
output audio path))
    return f" Soriginal Text:\n{original text}\n\n ()
Translated to {target language name}:\n{translated text}",
output audio path
  except Exception as e:
    return f'' \times Error: \{str(e)\}'', None
# Gradio UI Interface
interface = gr.Interface(
  fn=transcribe translate speak,
  inputs=[
     gr.Audio(type="filepath", label=" P Upload Your Voice
Message"),
     gr.Dropdown(choices=list(language settings.keys()),
label=" Select Target Language"),
  ],
  outputs=[
```

```
gr.Textbox(label=" Transcription & Translation"),
gr.Audio(label=" Translated Voice Output (Natural Male Voice)"),
],
title=" Multilingual Voice Translator",
description="Upload an audio file in any language (Tamil,
Hindi, Malayalam, Kannada, Arabic, French, English) and get a translated audio response in the selected language with a natural male voice."
)

# Launch the app
interface.launch()
```