**Template for video content: <<Student need to provide VIDEO and the Script>>**

As part of the Mobile Application Development course at Amrita School of Computing, we developed *AudiEmotion:Audio Emotion detection*, an app focused on emotion detection through speech/audio analysis. The app is designed to assist within the Accessibility & Assistive Technology domain, specifically in Affective Computing and Audio Emotion Recognition.

Our project utilizes the RAVDESS dataset to train several deep learning models, including (CNN), (GRU), an Improved CNN-BiLSTM Hybrid Model, (MLP), and (GNN). Testing revealed that CNN achieved an accuracy of 94.4%, while the Improved CNN-BiLSTM Hybrid Model provided the highest accuracy at 95%. ResNet followed closely at 96%, with the GRU at 88%, MLP at 93%, MobileNetV2 at 82.4%, and GNN at 84.5%.

. The dataset can be accessed here: [https://drive.google.com/drive/folders/1be4CdN\_1\_GQerHqo6NbrQHwbZ-LkcEFc?usp=sharing].

For a demonstration of the app in action, [demo link]. We’ve included a [system architecture diagram link] to outline the core structure and workflow of EmotiSense (Optional if u have any architecture).

The complete source code for EmotiSense is open-source and available on GitHub: [GitHub repository link].

## Tag I will provide a paper reference. ## Amrita School of Computing

Note : Please Make Changes in the highlighted Region and make sure u fill details according to your project requirement

Script – You will prepare a script to explain your app demo right that should be included in this document as well.