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## A multimodal architecture with shared encoder that uses spectrograms for

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1 Problem definition

Multimodal learning aims to create models that process and relate information from multiple modalities. Human communication is multimodal planture which imits the performance or mimodal models. A shared encoder architecture may be pashed for fusing multimodal information while providing better synery; between modalities compared to architectures that one separed modalities for modality. Previous works have also leveraged models. A shared encoder architecture may be pashed for fusing multimodal information while providing better synery; between modalities compared to architectures that one separed modalities compared to architectures that one separed modalities compared to architecture that one separed consistent of the provided and the verbal models and the verbal models and the providing and the providing multimodal features better, the proposed architectures would be able to implicitly capture these cues that are subtly manifested across modalities in human communication. Furthermore, a shared encoder architecture could be captured to a shared encoder architecture could be completed as a shared encoder architecture of the complete of the co