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(57) Abstract :
ABSTRACT The present disclosure introduces a system for improvement of emotions in verbal communication 100, a deep learning-based system designed to enhance emotional expression and comprehension in individuals with Social (Pragmatic) Communication Disorders. Employing advanced algorithms such as LSTM and Bi-LSTM, the system operates through user interface, displaying predefined emotions for users to interact with during verbal communication exercises. The system comprises of screen display 102, microphone 104, database 106, feedback system 108, preprocessing system 110, user interface 112, reward system 114 and deep learning system 116. The microphone captures users' verbal expressions, which are processed using Mel-Frequency Cepstral Coefficients (MFCCs) for emotion analysis. Reference Fig 1

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