**AI - DRIVEN BLIND SIGNATURE CLASSIFICION FOR IOT**  **CONNECTIVITY A DEEP LEARNING APPROACH**

### A PROJECT REPORT

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## ABSTRACT

Communication is one of the most important aspects of human life. In the recent times, number of technologies based on internet have been developed to make the communication as a more reliable and efficient in nature. All of these technologies can be of no use to the people who are visually impaired as all activities that can be performed on the computer are based on visual perception. Out of this numerous applications, E-mail is the most widely used and reliable way to communicate with each other. The usage of e-mail is quiet easy and lucid for regular users but when it comes to the user with visual defect, the system is yet very difficult to use. Still the current emailing system is yet not upgraded for the use of visually impaired. Our proposed system has enabled the Blind people to send and receive voice based e-Mail messages with the help of python script.

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**LIST OF ABBREVATION**

|  |  |
| --- | --- |
| **TTS** | Text-to-Speech |
| **ASR** | Automatic Speech Recognition |
| **IVR** | Interactive Voice Response |
| **VRU** | Voice Response Unit |
| **DTMF** | Dual Tone Multi Frequency |