A Major Project Report On

Voice based E-Mail System for Blinds Using Transformers

(An Autonomous Institution)

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ABSTRACT

The Internet has become one of the basic amenities for day-to-day living. Today, in world communication has become very easy with evolution of many communication technologies using internet. How ever internet has become a curse for visually impaired because of the fact using requires visual perception. Even if much new advancement has been implemented very efficiently the visually challenged user find it very difficult to use this available technologies as the normal naïve user may practice it. So, this project aims at developing an E-mail architecture that will help the naïve visually impaired person to access the services easily and efficiently for communication without previous training. This architecture will reduce cognitive load taken by blind person to remember and type characters using keyboard as all operations are going too enabled through mouse. This system can be used effectively by handicapped and illiterate persons as it is based on TTS, ASR (Automatic speech Recognition), LM (Language Modelling) and Neural network technologies . RDF for dialogue state tracking and SMTP/POP3 to comunicating with email server.