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(57) Abstract :

A mobile based application with Indian language speech recognition module for online market place for farmers. The application allows farmers to sell their products with voice search system. It should reach more than 90 per cent accuracies for both real-time and non-real-time scenario. It has been observed that this app performs well for isolated word queries in noisy field conditions. The speech recognition accuracy is higher for male speaker and normally it is lower for female speakers. Results on the collected data are shown in the tables. This work is carried out on same speech data set for both the methods and we can observe the assessment results of the accuracies is somewhat higher and rejection rates are lower for CMUTMs Sphinx as it is non-real time setup and other one is real-time environment, which is to be expected. Thus, this tool can enable farmers stand gained in Agri business.

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