**DRUG TO DRUG INTERACTION USING RNN**

**Abstract:**

An infrastructure build in the big data platform is reliable to challenge the commercial and non- commercial IT development communities of data streams in high dimensional data cluster modeling. This project is mainly focuses that the Voice enabled processes that have a potential to improve the healthcare systems in a smart personal assistants. This may be usually comes under a hands free feature extracted that has to be added scalability nature of usability and convenience the visually impaired people and patients. In this project, we propose a privacy-preserving voice-based search scheme to enhance the privacy of in-home healthcare applications. We consider the devices that can communicate gives by recording and uploading their voices stored in a particular server. where the carrying person can search the interested voices of their patients based on the voice content, mood, tone and background sounds. Our scheme preserves the richness and privacy of voice data and enables accurate and efficient voice-based search, while in current systems that use speech recognition, the richness and privacy of voice data are compromised. Specifically, our scheme achieves the privacy by employing a privacy-preserving voice feature matching technique and a novel category-based encryption; only encrypted voice data is uploaded to the server who is unable to access the original voice data. In addition, our scheme enables the server to selectively and accurately respond to caregivers’ queries on the voice data based on voice similarities.

**ARCHITECTURAL DESIGN FOR PROPOSED SYSTEM:**

**SPEECH TO TEXT BLOCK DIAGRAM:**