

CLE SEMINAR SERIES-III

Topic: Software infrastructure for Spoken Dialogue System

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Abstract:

A spoken dialogue system contains the following components: a dialogue manager, a speech recognizer, a speech synthesizer, an audio telephony server, and an application backend server. As suggested by their respective names, the dialogue manager performs the responsibilities of the control of the dialogue, the recognizer decodes the input speech from user into text, the speech synthesizer synthesizes the text into speech, the audio telephony server provides an interface between the modules and the user through a telephone and the application backend server provides a database for the location and weather based systems. For the proper flow of the calls, an infrastructure has to be provided to these modules and for this purpose, Galaxy Communicator Infrastructure has been used. The Galaxy Communicator software infrastructure is a distributed, message-based, hub-and-spoke infrastructure optimized for constructing spoken dialogue systems. This presentation aims to enlighten the audience with the working of the Galaxy Communicator Infrastructure along with the proper flow of call using this infrastructure.