

## **“Krishi Mantrana”: An AI Based Multimodal Dialog-System for Farmers**

**Year of Starting – August 2019.**

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**Associated Centres - C-DAC – Noida  
C-DAC – Kolkata  
BAU, Ranchi, Jharkhand**

**Annual Budget of Project – 113.52 Lakh**

### **Salient activities /Achievement -**

With the advances in information technology, the concept of FCCs (Farmers Call Centre) have picked up. There is a vast resource of knowledge base of queries posed by farmers in the written form, though lacking organized documentation.

The challenge lies in categorizing the different words conveying the same meaning/problem without which providing a solution would be difficult and would sometimes lead to erroneous remedial measures. In order to automate and augment the process we need to overcome some roadblocks.

The Salient achievements are as follows till may 2020.

1. The first version of Tex based Question-Answering system is ready, and its updated with more question-answer pairs.
2. BASU Patna Centre have shared approximately 3500 Question-Answer pairs and are preparing more on daily basis.
3. The Question-Answer pairs has been a web based system and BASU is preparing alternate form of questions.
4. CDAC Noida has developed Speech Data Collection App and has make it available for use and recording for BASU and BAU from 2<sup>nd</sup> March 2020. BAU and BASU has started recording through this app.
5. Customizing Hindi ASR for Agri/Animal Husbandry domains is also started by BASU Patna Centre.