**GEETHANJALI INSTITUE OFSCIENCE &TECHNOLOGY::NELLORE**

**Department of computer science & Engineering**

**Community service project**

**Week Report**

Week-1:

* Studied the notification released by JNTUA according to the CSP.
* We carefully read the rules & regulations of CSP and understood them.
* We selected the topic “challenges faced by farmers during crop production”.
* Based on that topic we conducted different types surveys (or) field visits to the different villages and among them we selected one village name is chiruvella khandrika.
* starting of the project by visiting sachivalyam of the area where we want to conduct the project and seeks the permission.
* After getting the permission we visited the different types of fields like wheat, cotton, Groundnut.
* Initially we visited the wheat fields asked farmers some questions. Based on our questions they delivered some answers.
* In that answers we are identified major problems are faced by the farmers during crop production are soil erosion, climatic changes, labour shortage, market fluctuations .
* By understanding the problems face by the farmers( we conducted different types of researches like visiting the libraries and searching the different types of websites to find out different types of solution.
* Based on our research we found different types of solutions. This are the following solutions:
* Encourage the use of organic farming practices and bio-pesticides as alternative of synthetic pesticides.
* Training programs should be implemented to enhanced the skills of the farm labour.
* Improve the market information systems, Including mobile apps, can provided the farmers up-to-date price information based on that information farmers can cultivated the crops based on demand.
* Farmers can adopted the mechanisms and automated mechanism techniques to reduce labour work.

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