**Cloud Computing in Agriculture**

India is one of the largest producers of food , grains and other products but still agriculture and its production process are decentralized, unsophisticated and outdated methods are being followed by the farmers indicating that modernization is very low.

This problem can be eliminated with the implementation of Cloud Computing facility in agricultural field. The centralized location has to be set up to store all the relevant data. It can include various, Separate databases Soil-related, weather-related, Research, Crop and Farmers-related data can all be stored at a single location, and data availability can be achieved. This data can be accessed by the end-users such as farmers, experts, consultants, researchers etc easily any time from any location through the devices that are connected to the cloud system.

Perfunctory list of Agriculture Cloud Systems

* Agriculture Marketing
* Weather
* Soil
* Land
* Farm Data
* Crop Management
* Fertilizer and Pesticide
* Insects and Pests Data
* Agriculture Disaster
* Banking Schemes related to various things

What if a common cloud system can be can be made which have these options for each of our 13 districts of Uttarakhand , it would be a miracle both for the farmers of uttarakhand .

It would reduce the workload on government too.

In hills transportation is too risky also and the sources for these are located very very far from each other.

It would become much more easy for the experts and consultants to study about the nature of the soil.

Basically , I would be making a prototype of this system containing all the details and demonstrating how we can make use of cloud .

***A region where natural calamity and other natural forces of nature makes a barrier between people and government , our technique if implemented can overcome this hurdle and can make the life of people living in these regions a bit easy and can reduce there hardships to some extent.***

1. **Pradhan Mantri Fasal Beema Yojana**: Launched in 2016 compensate farmers for any loss in crop yield.
2. **E-NAM portal:**It connect farmers with buyers on online platform for trading commodities.
3. **E-rakam portal 2017:** With this now farmers can sell their agricultural yield online.
4. **Agri UDAAN 2017:** To promote innovation and entrepreneurship in agricultural sector.
5. Modi government launched **negotiable warehousing receipt** in e-format.
6. **Dairy** **Processing and Infrastructure Development Fund:**For building an efficient milk procurement system.
7. **Gram Samvad Mobile app:**It allows rural citizens to access information on and implementation of rural development scheme at Panchayat level.
8. **Bharat Net project**: Under Digital India Mission aims to deploy high speed optical fibre and connect 1,00,000 villages via internet.
9. **Rashtiya Gokul Mission**: For bovine breeding and dairy development. It’s objective is to conserve and propagate indigenous breeds in an organised and scientific manner.
10. **Loan waiver** in UP, Haryana, Maharashtra etc by BJP government.
11. Latest in **WTO summit**, Indian government opposed trade distorting farm subsidies to address prevailing imbalance in agreement on agriculture (Which benefits developed countries)**.**

Apart from these Jan Dhan yojana, e-shakti initiative of NITI aayog, MNREGA etc. also helped farmers in one way or other. But despite of these efforts and with good monsoon last year, over 12000 farmers commit suicide every year in India.

[Over 12,000 farmer suicides per year, Centre tells Supreme Court - Times of India](https://m.timesofindia.com/india/over-12000-farmer-suicides-per-year-centre-tells-supreme-court/articleshow/58486441.cms?_e_pi_=7,PAGE_ID10,6449817910)

Government said over 12,000 suicides were reported every yea .. 

Read more at:  
<http://timesofindia.indiatimes.com/articleshow/58486441.cms?_e_pi_=7,PAGE_ID10,6449817910&from=mdr&utm_source=contentofinterest&utm_medium=text&utm_campaign=cppst>

**Solution – our technique will reduce unemployment(vacancies for data loggers). The people employed will be among the local residents of the village who know the native language there and**

**Who will definitely bring the awareness of the various schemes to the farmers. Plus govt had the statistics of all the district of U.K.**