Kissan Assistant

(Jai Jawan Jai Kissan)

Leverage of Open Data for farmer India moving towards Open Governance

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Concept:

Kissan Assistant will be Web/Mobile Application, Info-graphics, Data Service. The **Kissan Assistant** service is an interesting example of an open data initiative involving government and private sector innovation for farmers with aid of **Kissan Information System**. This service help farmers to provides agriculture information and advice to farmers, ranchers and the agriculture industry on topics ranging from crop and livestock production to new research and technology, government programs and services, and farm business management. It provides us information about District wise production of **Agricultural: grains, cereals, oil seeds and Horticultural: fruits, vegetables and spices**.

Kissan Assistant provide services like **Agriculture Insurance Information, Metrological Information, Land use Statistics, Crop wise Irrigation, Water Bodies, Crop Pattern, River flow, Micro Finance available, Agriculture Market, Subsidised Seeds, farm equipment's, pesticides, fertilizers, organic food, cash crop training how to grow, Soil and Land Use Survey**. All these services are bucket into their category only farmer can narrow down filer to their districts wise all farming assistance data are available in one small screen.

Objectives and Goal:

Leverage Open data in agriculture sector and transform farmer life. Farmer can understand what crops grow best where, or what prices can be expected after harvest, or how best to solve weather, blight or other challenges to yield. Open data combined with other tools such as cellular phones can do just that and eradicate middle man.

Project Structure:

Kissan Information System will be developed and aid farmers in transparent way and encourage coordination between different dots by use of open data. **Kissan Assistant** will include government and private sector will work on holistic approach by use of open data. Project will be developed to extend the capabilities of the Agriculture OpenData web-service. **Kissan Information System** will have forecasting expected future trends in food markets, including policy developments and other market drivers by analysis of historical data. Defining best practices and methodologies for farmers through data collection and analyses.

The Open Data movement leveraging on data, collaboration, and innovation will definitely accelerate crop improvement for sustainable food production particularly in the marginal environments of India. Shared knowledge and data can cut time and cost in developing high-

yielding, nutritious, and drought-tolerant crops that are the best bets for smallholder farmers to survive and improve their livelihoods amid the threat of climate change.

The project seeks to

- Information can be critical to protecting crops from pests and extreme weather, increasing yields, monitoring water supplies, and anticipating changes brought on by climate change.
- Collect best practices in **Kissan Information System** and adjust these practices to the district level.
- Identifying, designing and implementing pilot projects to strengthen data collection in **Kissan Information System**.
- Open data combined with agricultural knowledge, remote sensing, and mapping can support advice and early warnings for farmers.
- Open Data for Agriculture will explore opportunities for open data and knowledge sharing to other farmers.