Andhra Pradesh  
India’s Sunrise State

DIGITAL TRANSFORMATION ESSENTIALS

Presenting by K. Aravind, AO-IT  
Dept. of Agriculture
WHAT IS PUBLIC GOVERNANCE???

- **Public Governance**: As per World Bank report 1992, Public Governance is defined as Good governance by acronym SMART.

  - Simple, Moral, Accountable (Answerable), Responsive (timely quick response), and Transparent (to understand the decision making process).

- It is about the process of making and implementing decisions.
THEN WHAT IS DIGITAL TRANSFORMATION???

➢ Digital Transformation: is the process of rethinking one’s business model or process in light of the availability and affordability of digital technology.

Why it is Essential??
As the Digital Revolution is increasing day by day
Introduction to the Technology: 
Its potentials & existing use in public Governance-Agriculture

➢ Information Technology acts as a direct tool for contribution in agriculture productivity.

➢ It is an indirect tool for empowering the farmers to take information and quality decisions and thus makes to have positive impact on the way of farming.

➢ It is seen as an emerging field focusing on the enhancement of agricultural and rural development through improved information and communication processes.

➢ The Department of Agriculture has been using various IT-Services for effective implementation of the Departmental Schemes and for public transparency and to hasten up the activities in smooth manner.
Existing Use in Public Governance of Agriculture Dept

AP Agrisnet

OLMS
D-Krishi
e-Office
PP & CRK
e-Agriculture
Agri Dash Board
FMS
Meekosam
LEC & COC
SHC
Information available in portal:

- Package of Practices of 18 Major Crops
- Weather Based Agro-advisories
- Schemes & Subsidies of Department
- Integrated Pest Management
- Information on Prices
- Organic Farming
- SRI Cultivation
- Videos on Agriculture
- Online query system – Ask an Expert
- SMS on Soil Test Based Fertilizer Recommendations
- Information on W.T.O.
- Links to Allied Depts.
- Publications of Dept./News scroll
- Precautions to be taken while purchasing inputs, spraying insecticides, etc.
Information available in portal:

- It is an integrated dashboard established to monitor category-wise key performance indicators of various schemes on real time.
- Reports from various sources will be collated.
- Collected data will be refined and uploaded to the portal.
- It will be used for decision making at Department level.
- Also helps public to understand the growth of Agriculture.
Information available in portal:

- This application provides licenses online to the input dealers/manufacturers of seeds / Fertilizers / Pesticides

- Dealers/Manufacturers can apply for license freshly or renew and amend online
Information available in portal:

- Main aim of this program is to raise varieties of crops in the farms where the best agricultural practices are adopted to get higher yield.

- Agronomic and farm management practices for achieving increase in productivity and reducing Cost of Cultivation.
Information available in portal:

- Tracking of Fertilizers up-to Retail Dealers is done through this system.
- Online Data Entry of Fertilizer stock details like product name, quantity, LR no, date of allotment, area from i.e. from port/plants.
Information available in portal:

- The process of payment of interest amount waived off on farmers’ crop loans directly to banks from the department of Agriculture is automated & implemented.

- The interest amount is credited from the account of Commissioner & Director of Agriculture to respective banks through Nodal branches based on details of principal loan amount repaid by the farmers.
Information available in portal:

- MPEO Evaluation is used to monitor the performance of each MPEO which will be evaluated by MAO, ADA(R) & JDA based on the marks and grading system.

- Evaluation is based on dynamic quantitative and qualitative criteria. Due to this software MPEO's Performance have been strengthened.
Information available in portal:

- This application is used to monitor the LEC cards status online issued by Revenue Dept. to Tenant Farmers.
- To avail interest free crop loan up to 1 Lac.
- To avail insurance coverage on the crop.
- To avail subsidy on Seeds distributed by Government.
- To avail input subsidy.
Information available in portal:

- This application is used for issuing Certificate of Cultivation to tenant farmers/actual cultivator of the land
- To avail interest free crop loan up to 1 Lac.
- To avail insurance coverage
- To avail subsidy on Seeds distributed by Government
- To avail input subsidy.
Information available in portal:

- This Mobile App is used for real-time crop booking.
- Area, Yield & Production metrics can be obtained.
- Year-wise Crop coverage reports for predictive analysis.
- This data highly useful for procurement decisions.
- Integrated with CM Dash board to reflect the real time crop coverage.
Information available in portal:

- This Mobile App is used for real-time distribution of subsidized seed through biometric system using Aadhaar, Web land and Ration card databases.
- Reduced manual process & transaction time.
- Transparency in transactions.
- Eliminate malpractice & need for middlemen.
- Real time reports on stock availability & distribution.

D-Krishi eseed Aadhaar enabled Distribution System (http://eseed.ap.gov.in/)
Information available in portal:

- The soil Health Card is a printed report generated online available to farmers at any time that will be useful for farmers once for three years for his land holdings.

- The flag ship program of GoI in the farm sector aimed at improving soil health and reducing input costs for farmers.

- It contains crucial information on macro Nutrients (N,P,K) status of the soil, Secondary nutrients (Sulphur) status, Secondary Nutrients (Zinc, Boran, Iron, Copper, Magnesium) and soil physical parameters.

- The card will be accompanied by an advisory on the corrective measures that a farmer should take to improved soil health and better yield.
Information available in portal:

- The new e-Office system is an integrated file and records management system that allows employees to manage content, search for data internally & collaborate.

- The file system also enables the electronic movement and the tracking of files, and the archival and retrieval of data.

- It show more efficient, effective and transparent inter-government and intra-government transactions and processes.
Information available in portal:

- A repository of all agriculture related videos.

- Field staff can upload videos on latest technology implemented.

- Users can give their reviews, comments, rating on the uploaded videos.
Information available in portal:

- Plantix APP is a plant diagnostic app, provides users worldwide with customized information concerning best practices, information on preventive measures, and independent options for action.
Information available in portal:

- Common Integrated platform from CM office/HoD’s to Mandal level. There are no different protocols in different districts.

- Aadhaar linked tracking system to pre-populate demographic information and for avoiding duplication of petitions.

- Exhaustive categories/sub categories.

- Petitions scanned and uploaded.

- Facility to forward/track the grievance across departments.
LET’S DO SMALL EXERCISE
Thank You