



# IAS PARLIAMENT

*Information is Empowering*  
A Shankar IAS Academy Initiative

## Agriculture

The effective use of Information Technology will drastically reduce the Farmer distress. Explain

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### Answer

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### JAM Project

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- Jan dhan Yojana-Aadhaar-Mobile linking project for direct benefits transfer.

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- Issuance of rupay Kisan credit cards

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### e-NAM

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- Pan-India electronic trading portal which networks the existing APMC mandis to create a unified national market for agricultural commodities.

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- Single window service for all APMC related information and services.

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### NCDEX

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- NCDEX, an agriculture-focused commodity futures exchange, has got 8,000 farmers to trade on the platform through four farmer producer companies (FPC) in last one year.

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- NCDEX provided the much-needed incentive for investing in production, it provides market structure for farmers.

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### **Kisan-Suvidha App**

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- The app has a simple interface and provides information on five critical parameters weather, input dealers, market price, plant protection and expert advisories.
- An additional tab directly connects the farmer with the Kisan call centre where technical graduates answer their queries.

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### **m-Kisan**

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- It is maintained by Department of Agriculture & Cooperation, Ministry of Agriculture,
- It is a SMS Portal for farmers enables all central and State government organizations in agriculture and allied sectors.
- It gives information/services/advisories to farmers by SMS in their language, preference of agricultural practices and location.

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### **Remote sensing and drone technology**

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- Remote Sensing & GIS can be used for monitoring the crops and estimating the zones during natural calamities.
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- Drone technology can be used for sample data collection and pest detections.
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- PMFBY encourages use of such technology
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### **Bankable farmer initiative**

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- An African model, where farmers will have a profile and all details of their credibility and repaying capability will be monitored India is planning for such initiative.
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### **Soil health cards**

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- Maintaining soil related details through a dedicated portal.
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