



KAMARAJ IAS ACADEMY
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Smart Farming

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Government is promoting adoption of smart farming methods through the use of technology and innovation in the agriculture sector in the country.

Government is implementing a **Digital Agriculture Mission (DAM)** which includes India Digital Ecosystem of Agriculture (IDEA), Farmers Database, Unified Farmers Service Interface (UFSI), Funding to the States on the new Technology (NeGPA - National e-Governance Plan in Agriculture), Revamping Mahalanobis National Crop Forecast Centre (MNCFC), Soil Health, Fertility and profile mapping.

Under the NeGPA programme funding is given to State Governments for Digital Agriculture projects using emerging technologies like Artificial Intelligence and Machine Learning (AI/ML), Internet of Things (IOT), Block chain etc.

Adoption of **drone technologies** is being done. To promote smart farming, the Government **promotes Startups** in the Agriculture sector and nurtures agri-entrepreneurs.

The **Per Drop More Crop** component of the Pradhan Mantri Krishi Sichai Yojana (PMKSY-PDMC) aims to increase water use efficiency at the farm level through micro irrigation technologies, i.e., drip and sprinkler irrigation systems.

The GoI started **eNAM** (National Agriculture Market), an electronic trading portal which creates networks between the existing Agricultural Produce Market Committee (APMC) mandis for the farmers.

The mobile apps on different farm and farmer related services are now integrated on one common platform called **KISAAN**. The **Farmer FIRST (Farm, Innovations, Resources, Science and Technology) initiative** was launched by ICAR with enhanced farmers-scientists interface to move beyond production and productivity.

Kamaraj IAS Academy

Plot A P.127, AF block, 6 th street, 11th Main Rd, Shanthi Colony, Anna Nagar, Chennai, Tamil Nadu 600040

Phone: **044 4353 9988 / 98403 94477** / Whatsapp : **09710729833**