1-day workshop on "AI Applications in Agriculture at KB Mart, Knowledge Park 2, Greater Noida, 201310, Delhi NCR, India

Workshop Goal

To equip participants with **practical knowledge of AI tools, datasets, sensors, and simple models** that can be used to improve crop yield, reduce cost, and enable data-driven decisions in agriculture.

What Participants Will Learn

- How to use AI for crop, soil, disease, yield, irrigation & market decisions
- How to collect and process agricultural data
- How to build small working AI models
- How to use drones, IoT, and satellite data
- Importance of digital agriculture

Session 1 (10.00-12.00) — Introduction to AI in Agriculture

- Data Sources & Tools for Smart Agriculture What is AI, ML, Data Science
- Crop monitoring
- Precision farming
- Yield prediction
- Soil analysis
- Pest & disease detection
- Case studies
- Soil data: ICAR, Soil Health Card
- Satellite data: Sentinel-2, Landsat
- Weather data: IMD, OpenWeather
- Soil moisture (Sensor)
- Temperature & humidity (sensor)

Session 2 (1.00-5.00)— Practical AI Models for Agriculture

- Download public software
- Crop yield prediction using regression
- Disease detection using CNN models
- Crop recommendation using soil parameters
- Irrigation forecasting models

Hands-On

- Build a simple **AI model** using sample data and KNIME software
- Identify and classify soil map
- Government schemes integration (PM-Kisan, Digital Agri Mission)

Participants

Any professionals and stakeholders who are interested to understand how basic AI prediction model is built using cloud platform and KNIME software.

Instructor: Mr Suresh Tripathi is a founder of Geosun Pty Ltd an Australian based company registered in year 2000 to provide AI corporate training, data center solutions, data analytics and end-to-end cloud platform. He has nearly 25+ years of work experience in digital data analytics integrated with AI and tech platforms. His education qualifications include master degree in Statistics from BHU, India, master degree in Geostatistics from ECU, Australia and master degree in Geoscience from JCU, Australia. He completed his AI certificate

courses from Stanford Business School from California and High Impact Leadership course from Cambridge University, UK. He has worked in Australia and US focusing his long career on data strategy, tech platforms, and in-house corporate training. He has worked with range of industries in Australia and US that include Deloitte, Flybuys, Ambulance Victoria, CFA (Emergencies Services), Avexa, Covance, Avance Clinical (Pharmaceuticals), Intelligen, Commonwealth Bank, Hackett Group (US), Health and Safety Sphera Solutions(US), Vic Government (Environment, water and energy), Waste Management (US), Outfront Media (US), Adani Mining (Australia) and Fura Gems Industries (Dubai).

Fee: Rs 25,000 per participant plus GST payable to GeosunAI Tech Cloud Pvt Ltd. RTGS/Cheque/ PhonePe via below link form.

Bank: Punjab National Bank

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