

# GIS for Agriculture Management

**Value Addition | Offline/Online**

**Duration: 80 Hours**

GIS | GNSS | Remote Sensing | LiDAR

***REGISTER NOW***



# **KHAGOLAM**

**Institute of Geoinformatics**

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## Course Information

Course Title: **Geospatial Technologies for Agriculture Management**

Duration: **80 Hours**

Training Modes: **Offline/Online/Hybrid | Full Time/Part-time**

Timing: **Min 3 hours/day | Max 8 hours/day**

## Course Eligibility

- Knowledge of computers
- Should know mapping concepts
- Domain knowledge of agriculture management
- Students of B.SC / B. Tech / M.SC / M. Tech in Agriculture
- Agri / soil consultants
- Working professionals or consultants in agriculture

## Fee

30,000 INR, for resident Nationals of India, Nepal, Bhutan, Bangladesh, Sri Lanka and Maldives, & Myanmar.

800 USD, For Non-Residents of India

**INSTALMENTS:** 5,000 on registration  
25,000 - before course start

Software's	Technologies
<ol style="list-style-type: none"><li>1. ArcGIS Pro</li><li>2. GPS/GNSS</li></ol>	<ol style="list-style-type: none"><li>1. GIS</li><li>2. GNSS/DGNSS</li><li>3. Remote Sensing</li><li>4. LiDAR</li></ol>

## Overview

Geospatial Technologies has massive application in effective, precise agriculture and better management of agriculture and water resources. This includes agro-ecological zone mapping, soil mapping and capability assessment, using NDVI analysis for crop health analysis,



irrigation requirement analysis, land information system, yield estimation, disease /pest management and many more. In India for assessing localised calamity risk covered under PMFBY (Pradhan Mantri Fasal Bima Yojana) scheme in the season 2020 these technologies are used. Skills of GIS and Remote Sensing, GPS, Drones, LiDAR along with agriculture education can secure great job opportunities in Indian market.

In this course is designed to fulfil above demand. Learn concepts including spatial data structures, data sources and transfer methods, projections and coordinate systems, geo-referencing, fundamental of spatial analysis, with the hands on exercise in GIS Tools. Course exercise specially emphasis on agriculture case studies and related tasks. Concepts presented in lecture will be put into practice through hands-on laboratory exercises utilizing the GIS software product.

## Learning Objectives

1. Understand Map concepts, how GIS works, technical terms in GIS, common task in GIS
2. Understand the various integrations of remote sensing, GIS and statistical data in the agriculture sector
3. Describe types of data model and its uses, difference between vector and raster, consideration of scale and generalization
4. Describe use of thematic maps in planning and decision making
5. Describe type of analysis can be perform in GIS, functions and their input, outputs
6. Understand digital image processing techniques, optical and hyper-spectral remote sensing
7. Explain different type of satellite, their specification for crop/vegetation analysis
8. Understand use of Synthetic Aperture Radar (SAR – Sentinel 1 & 2) sensor in agriculture
9. Know how to download different types of satellite remote sensing data for free
10. Satellite image processing, classification and image interpretations



## How to Apply

Step 1: register at: <https://www.khagolam.com/home/register>

Step 2: Check mail for course & bank details

Step 3: Transfer payment & share transaction receipt on What's App

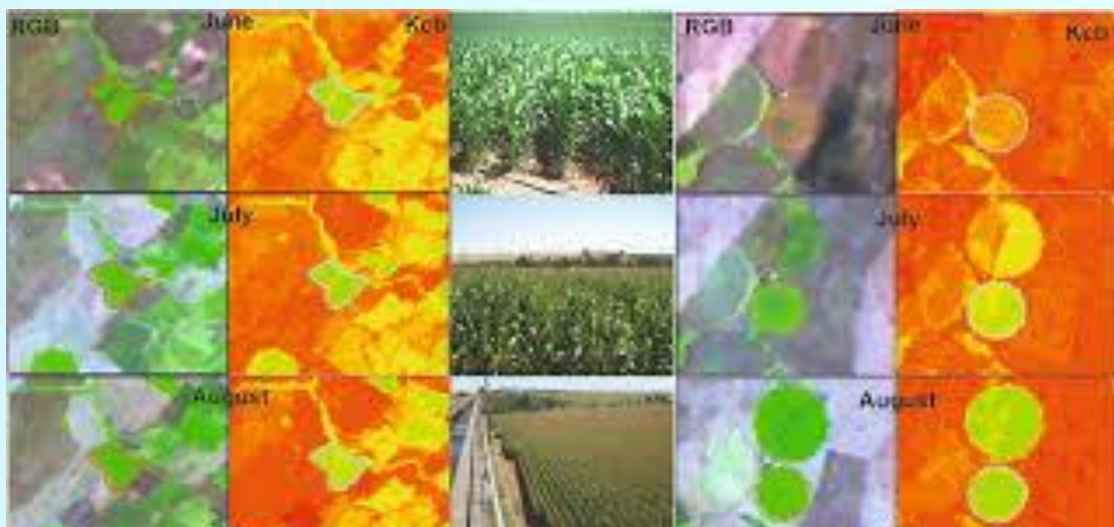
Step 4: You will receive registration confirmation, by SMS/Call/Whats App.

**REGISTRATION SHALL CLOSE 4 DAYS BEFORE THE START DATE. SPOT REGISTRATIONS ARE NOT ALLOWED.**

## FAQ's

*Q: Does fees include accommodation and food?*

A: No. but we can help you to get the nearest accommodation.






## Why Khagolam:

- Specialize institute for geospatial technologies
- Job oriented curriculum
- Comprehensive training material
- 100% placement assistance
- Professional Trainers
- Exposure to live projects
- Flexible timings
- Exposure to 3D GIS
- Practice, aptitude and interview rounds
- e-library facility



## Khagolam Institute of Geoinformatics

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