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| <p>Title:</p> | <h1>Geospatial Technologies for Agriculture Management</h1> <p>INCLUDES GIS, REMOTE SENSING, GPS, LIDAR</p> | <p>Why Khagolam:</p> <ul style="list-style-type: none"> • Specialize and Dedicated institute to geospatial technologies • Job oriented curriculum • Comprehensive training material • 100% placement assistance • Professional Trainers • Exposure to live projects • Convenient batch timings • Exposure to 3D GIS • Practice aptitude and interview rounds • Library facility |
| <p>Duration & Fees Structure:</p> <div data-bbox="119 1400 343 1545"> <p>Refer your friend & Get</p> <p>10% OFF</p> <p><small>Valid for Selected courses and limited period.</small></p> </div> <div data-bbox="119 1579 343 1713"> <p>Group Discount 20%</p> </div> | <p>80 hours</p> <p>30,000 INR, for resident Nationals of India, Nepal, Bhutan, Bangladesh, Sri Lanka and Maldives, & Myanmar.</p> <p>800 USD, For Non-Residents of India</p> <p>Instalments:</p> <p>5,000 on registration</p> <p>25,000 - before course start</p> | |
| <p>Category:</p> | <p>Job Oriented Course / Value Addition Course</p> | |
| <p>Target Job Role:</p> | <ul style="list-style-type: none"> GIS and Remote Sensing Expert Image Processing Technician Agri GIS specialist | |

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| Prerequisites: | <ul style="list-style-type: none">  Knowledge of computers  Should know mapping concepts  Domain knowledge of urban planning |
| Who Should Attend? | <ul style="list-style-type: none">  Students of B. Sc / B. Tech / M. Sc / M. Tech in Agriculture  Agri / soil consultants  Working professionals or consultants in agriculture |
| Overview: | <p>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.</p> <p>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.</p> |
| You will learn: | <p>After completing the course you will be able to:</p> <ul style="list-style-type: none">  Understand Map concepts, how GIS works, technical terms in GIS, common task in GIS  Understand the various integrations of remote sensing, GIS and statistical data in the agriculture sector  Describe types of data model and its uses, difference between vector and raster, consideration of scale and generalization  Describe use of thematic maps in planning and decision making  Describe type of analysis can be perform in GIS, functions and their input, outputs  Understand digital image processing techniques, optical and hyper-spectral remote sensing  Explain different type of satellite, their specification for crop/vegetation analysis  Understand use of Synthetic Aperture Radar (SAR – Sentinel 1 & 2) sensor in agriculture  Know how to download different types of satellite remote sensing data for free  Satellite image processing, classification and image interpretations  Know how to perform and interpret NDVI analysis for crop health / stress monitoring  Know how to use geospatial technologies for precision farming, yield monitoring and mapping, soil sampling  Understand application of Drone / UAV for agriculture monitoring |

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| | <p>✚ Give example on how geospatial technologies can be used for problem solving in agricultural</p> |
| <p>Tools & Skills:</p> | <p>INDUSTRY TOOLS:</p> <ol style="list-style-type: none"> 1. ArcGIS Desktop - Geostatistical Analyst, Spatial Analyst, 3D Analyst 2. Google Earth Pro 3. ENVI (for Remote Sensing) <p>EMPLOYABLE SKILLS MEASURED:</p> <ol style="list-style-type: none"> 4. Geo-referencing (Image to Image, Point to Image) 5. Digitization and Topology 6. Map composition 7. Data Exploration, Thematic map/report 8. Geo-coding 9. Table join and relate, import export tabular data 10. Data compilation from ETS, GPS, LiDAR, Satellite Images 11. Geostatistical Analysis, Spatial Analysis 12. 3D data creation and visualisation 13. Surface interpolation methods 14. Image processing technics and LULC classification 15. Land Information System Development 16. Sentinel (Radar) and Optical Data processing 17. NDVI, crop health / stress monitoring 18. Crop estimation |
| <p>Training Mode:</p> | <p>✚ Classroom - Instructor Lead ✚ Online - Instructor Lead</p> |
| <p>How to Apply:</p> | <p>Click here to know bank details and step by step registration process. Register Online</p> |
| <p>FAQ's:</p> | <p>Q: Dose fess includes accommodation and food A: No. but we can help you to get nearest accommodation</p> |

Last updated on: 16 Sep 2020