EMPOWERING
World’s oldest industry
to take a **Technological leap**

Five best performing candidates will be considered for placement at Amnex Infotechnologies pvt ltd.

Jointly organised by

AMNEX
The Prelude

Smart Farming has presented a significant breakthrough for advancing agriculture. Through the use of technologies like IoT, Big Data and analytics on an agricultural field, farmers are gaining comprehensive insights on the consequences of their actions and are becoming capable of making informed decisions on farming practices.

Charged up with a heavy dose of innovation and disruption, it has simultaneously become imperative for the industry and its stakeholders to keep up with changing trends, especially in terms of interpreting earth observation data from newer, robust systems, and in implementing advanced processing methods and other allied geospatial and computing technologies in the sector.
ANALYTICS IN AGRICULTURE

TRANSFORMING THE FUTURE OF AGRICULTURE
Course Overview

Analytics in Agriculture is a 6-week certificate program, which is jointly organised by DA-IICT, Gandhinagar and Amnex Infotechnologies Pvt. Ltd., Ahmedabad. The program is aimed at nurturing professionals and students, with insights, means and the know-how to take the sector into the future. The course will introduce students to concepts of data analytics, viz. descriptive, predictive and prescriptive, in agriculture.

By focusing on technological aspects like linear algebra, python programming and elementary analytics combined with domain-specific training on crop analytics, soil analytics and weather analytics, the course will empower students to eliminate speculative farming and usher in the age of predictive agriculture.

Course Outline

Program Length: 6 Weeks

Class Duration: 5 hours (Monday-Friday)

Segregation: 2 hours theoretical, 3 hours lab

Maximum Class Strength: 25 students (Class strength may be increased to 35 students. This decision is at management's discretion)

Course fees: INR 20,000 per student (for 6 weeks)

Application Deadline: 3rd June, 2019

Course Starts: 10th June, 2019

Course Ends: 19th July, 2019

Eligibility: Graduate/Graduating students in Agriculture/B.E (B.Tech.)/B.Sc. in Physics and Mathematics. Open for students as well as working professionals especially research associate/assistant professor in colleges/university

Essential Documents: Graduation Certificate / Graduation course completion transcript
How to Apply

Interested applicants must follow the link below and fill out the application form:

Application Form: https://forms.gle/u3idicV4ATdvPQnYA
(if the link does not click, please copy & paste the link in a web browser)

After submitting your application, please email a scanned copy of your certificates to:
certifications@amnex.com

Once your application has been received, including scanned copy of your certificates, DA-IICT Program Team will review your application and revert with next steps that selected students must follow in order to complete their admission process.

How to Pay

All selected participants must pay online as per the details below:

Name: Amnex Infotechnologies Pvt. Ltd.

Bank: Kotak Mahindra, Paras-II, Near Auda Garden, Ahmedabad, 380015

Account Number: 8612797233

IFSC Code: KKBK0002560

All fees must be paid before June 3, 2019. Failure to do so will result in termination of your application. Fees once paid will not be refunded.
Refresher Courses

Mathematics – Linear Algebra
As Linear Algebra forms the basis of machine learning and Image processing algorithms, the students will be given a broad idea of its relevance in image processing for crop classification.

Python Programming
A short course in Python will help students design & customize tools for performing tasks involving analytics.

Fundamentals of Analytics
Elementary Analytics will empower students with principles of extracting useful information, knowledge & insights from large data-sets.

Domain Courses

Crop Inventory and Condition Assessment
This module will help students analyze/interpret data for crop classification and monitoring of crop health condition.

Soil
This module is designed to explain important role of soil in crop modelling and how geospatial technology can be used in studying soil condition.

Weather
This part will enable the students in understanding the critical role of weather parameters in agriculture and how remote sensing GIS can be used for observing, monitoring and analysing various agro meteorological parameters.

Course Faculties (Refresher Course)

Mr. Amit Mankodi
Assistant Professor, Programming
DA-IICT
https://www.linkedin.com/in/amitmankodi/

Dr. Nabin Sahu
Assistant Professor, Mathematics
DA-IICT
https://www.linkedin.com/in/nabin-sahu-224a659a/

Dr. Aneesh Chinubhai
Chief Technical Officer
Amnex Infotechnologies Pvt. Ltd.
https://www.linkedin.com/in/aneesh-chinubhai/
Course Faculties (Domain Course)

Dr. V. N. Sridhar  
Retired Scientist, ISRO, Physics

Dr. Vyas Pandey  
Retired Professor and Head, Agro Meteorology Division AAU, Anand  
https://www.linkedin.com/in/vyas-pandey-2609872a/

Dr. R Ghosh  
Professor DA-IICT and Retired scientist, ISRO, Agriculture  
https://www.linkedin.com/in/ranendu-ghosh-5711816a/

World-class Infrastructure

All students of the course will be trained in DA-IICT’s world-class campus that is outfitted with all modern amenities, like computer labs, high-speed internet, secure network, modern classrooms and much more. All students will be able to avail all privileges granted to full-time DA-IICT students during the 6 weeks of their program. Every student will also be provided with dedicated workstations during their lab time.

Housing

Residential facility is available for the outstation applicants at DAIICT campus. Accommodation is not included in course fees and will be charged extra. To register for campus accommodation, please contact: ranendu_ghosh@daiict.ac.in
Course Benefits

Enhanced Skills
The program will improve Image Processing skills, Data Analytics Skills and provide students with the means of applying Geospatial Technology in Agriculture.

Impactful
The program is targeted to enhance knowledge and provide students with the means to leverage their learnings in real-world scenario, making it highly impact driven.

Career Oriented
All courses are designed and developed to give students not just knowledge but also hands-on experience needed to pursue a career in the field. Top five students will be considered for placement opportunity at Amnex.

Real World Driven
The program takes traditional topics and adds hands-on labs enhancing classroom assignments, including training on GIS and Image processing softwares to deliver a more interesting learning environment.

Interactive
The small batch size of the program fosters extensive interaction between the faculty and students, thus positively impacting the professional career of students.

Nurturing
Students will be able to enhance their descriptive, predictive & prescriptive skills that form the basis of data analysis framework.
About **DA-IICT**

Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar represents Wave-4 of educational innovation in Gujarat. DA-IICT is the only advanced research and teaching Institute named after the Late Dhirubhai Ambani, the founder of Reliance Group. DA-IICT is spread over 50 acres of land in Gandhinagar, Capital City of Gujarat and is caringly planned and designed as one of the country’s foremost environmentally conscious campus. The pedagogy of DA-IICT focuses on empowering students with the right knowledge, as well the know-how to be the leaders of the industry.

About **Amnex Infotechnologies Pvt. Ltd.**

Amnex is a future-first solutions enterprise committed to solving real-world challenges across high-impact sectors. We believe in change that causes disruption and in intelligence that is the natural outcome of that change. The world woke up to a pattern of disruption in the technology sector at the turn of the millennium. Each day, we move a step closer towards improved human-computer interaction and increased data-driven intelligent decision-making.

Since our inception in 2008, we have ushered in this transformation by tapping into the most advanced technologies. Spearheading the introduction of IoT, automation and data science into business processes in India, we began creating a new era of growth in remote locations, and for sectors such as Logistics, Agriculture, Mining, Transport and Ports.

Our innovative solutions across Energy & Utility, Manufacturing and Smart Cities are utilizing smarter systems that create a more intelligent world for its citizens. From the rural to the urban, we’re harnessing technology for the better and making a better world, arrive sooner.
Contact

Dr. Ranendu Ghosh
Professor DA-IICT and Retired scientist, ISRO, Agriculture

Email: ranendu_ghosh@daiict.ac.in
Mobile no.: 9327043612