Centre for Agricultural Market Intelligence under NAHEP – CAAST
International Agri-Business Management Institute
Anand Agricultural University, Anand

World Bank, ICAR & NAHEP Sponsored

21 Days Training Programme
on
"Fostering Foundations: A Journey into Data Analytics through R and Python"

:: Date ::

14th September, 2023
to
04th October, 2023
(Three Weeks)

:: Venue ::

Information Technology Center, AAU, Anand

About NAHEP-CAAST, AAU, Anand:

Anand Agricultural University has been awarded an ICAR- World bank funded project to establish Centre for Agricultural Market Intelligence. The major objectives of this project include price forecasting and behavior, export competitiveness, evaluation of e-NAM, market institutions and capacity building of faculty, students, farmers and other stakeholders. Experts from country's premium institutes including IIM- Ahmedabad, Institute of Rural Management (IRMA), Indian Space Research Organization (ISRO), Junagadh Agricultural University, National Cooperative Dairy Federation of India (NCDFI) apart from foreign universities namely Australia's Western Sydney University, and The Papua New Guinea University of Technology are associated with the project.

Centre for Advanced Agricultural Science and Technology (CAAST) is a student centric subcomponent of the World Bank sponsored National Agricultural Higher Education Project (NAHEP) granted to AAU, Anand to provide a platform for strengthening educational and research activities of post graduate and doctoral students.

About the Training :

In this comprehensive three-week training program, participants will embark on an exciting learning journey into the world of data analytics using two of the most powerful programming languages - R and Python. This course is designed to equip participants with the essential skills and knowledge needed to explore, analyze, and visualize data efficiently, enabling them to make informed decisions and gain valuable insights. Participants will delve into the dynamic worlds of R and Python programming languages, gaining a solid understanding of their syntax, capabilities, and best practices. Through hands-on exercises and real-world examples, they will acquire the essential skills to import, clean, and manipulate data, laying a strong foundation for effective analysis. Guided through the process of performing data analysis, participants will employ various statistical and visualization techniques using R and Python to unveil hidden patterns and relationships within the data and enable them to create insightful and engaging representations. The course will also provide an overview of machine learning concepts, and its implementation in R and Python. Participants will further explore time series analysis. Real-world case studies and projects throughout the course will offer ample opportunities to apply their skills in practical scenarios, fostering the development of a robust project portfolio. By adhering to industry best practices, participants will learn to follow standard procedures and maintain data integrity throughout the data analytics process, empowering them to excel in this dynamic field.

Eligibility:

Any Postgraduate Students / Scientists / Faculties / Working Professionals from Academic, Research and Industrial Organizations.

Selection Criteria:

- The selected candidates will be informed through email. The coordinator is the final authority for the selection of candidates based on the eligibility and availability of seats.

Evaluation:

- There will be an evaluation of the candidate via quiz, presentation during the training. The final evaluation will be at the end of the training.

No. of Seats:

- 50 Participants

Fee:

- Free

Registration Link:

https://forms.gle/3Q2t6yptqjyNQWwE9

Important Instructions:

- This is an offline training programme.
- No TA/DA will be paid by the host institute.
- Attendance is mandatory throughout the programme.
- Certificate will be awarded to candidates after successful completion of the training.
- Accommodation will be provided as per availability.

Content:

- Basics of Programming
- Descriptive Statistics
- Data Visualization
- Hypothesis Testing
- Correlation and Regression
- Analysis of Variance
- Time Series Analysis
- Machine Learning
- Principal Component Analysis (PCA)
- Cluster Analysis
- Artificial Neural Network (ANN)

Organizing Committee

Patrons

Dr. K. B. Kathiria, Hon'ble Vice Chancellor, AAU, Anand
Dr. R. C. Agrawal, DDG (Education) & National Director (NAHEP), ICAR, New Delhi

Advisors

Dr. Anuradha Agrawal, National Coordinator, NAHEP-CAAST, ICAR, New Delhi
Dr. M. K. Jhala, Director of Research & Dean PG Studies, AAU, Anand

Convener

Dr. R. S. Pundir, Principal & Dean, IABMI & PI, NAHEP- CAAST, AAU, Anand
Dr. D. R. Kathiriya, Director (IT), Principal & Dean (AIT), Core Co - PI, NAHEP-CAAST, AAU, Anand

Organizing Secretaries

Dr. D. K. Parmar, Assistant Professor, College of AIT, AAU, Anand
Dr. Chetan R. Dudhagara, Assistant Professor & Head, IABMI, AAU, Anand
Dr. Xitij U. Shukla, Assistant Professor, College of AIT, AAU, Anand

Committee Members

Mr. Alpesh Agja, Programmer, AAU, Anand
Mr. Umesh Rathod, Programmer, AAU, Anand
Mr. Bhavik Patel, RA, NAHEP-CAAST, AAU, Anand
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:: Contact Details ::

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