WORKSHOP
ON
ADVANCED DATA ANALYSIS TECHNIQUES FOR RESEARCH

NEW AGE EDU SERV
Making the Future Better

Date - 4th Nov - 19th Nov 2024

Contact Us ≫

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ABOUT NEW AGE

New Age Edu Serv brings to the table the talent and knowledge of noted educationists and Industry Wizards who are dedicated to the cause of enriching the lives of the youth through focused value-added education and practical 'on-the-job' pragmatic training so that they can achieve their goals in terms of job opportunities that are commensurate with their dreams and aspirations.

New Age Eduserv is future-ready in terms of state-of-the-art educational and training infrastructure, dedicated faculty, a research & development wing, and a strong foundation of values dedicated to the pursuit of knowledge.

ABOUT THE WORKSHOP

We are delighted to invite you for a 15-days workshop organized by New Age Edu Serv, Faridabad, Haryana from 4th November 2024 to 19th November, 2024.The Workshop will provide a unique opportunity for Academicians /Ph.D. scholars/PG students, participants of all disciplines and related disciplines from the Higher Education Institutes to deepen their understanding of data analysis techniques for research processes. The workshop will be organized in the hybrid mode both in-person and online participants.

In the ever-evolving landscape of academia, staying abreast of the latest advancements in data analysis is crucial for impactful research. We are delighted to invite you to our workshop on "Advanced Data Analysis Techniques for Research," a comprehensive initiative designed to empower educators and researchers with cutting-edge analytical skills.

This programme is tailored to provide a deep dive into sophisticated data analysis methodologies, equipping participants with the tools needed to enhance the quality and efficiency of their research. From mastering complex statistical models to exploring advanced data visualization techniques, this workshop will cover a wide range of topics essential for contemporary research excellence.

PEDAGOGY

The pedagogy for teaching mining and data analytics topics has been designed to foster active learning, critical thinking, and practical application.

Interactive Lectures: Sessions will involve interactive lectures to introduce key concepts, theories, and techniques.
Visual aids, real-world examples, and case studies will be used to illustrate abstract be provided.

Hands-onExercises: Hands-on exercises and practical assignments will be used to allow participants to apply the concepts learned in lectures. Datasets and guidance for conducting data processing, analysis, and interpretation using relevant software tools will also be provided.

Group Projects: Group projects that require participants to work collaboratively to solve real-world problems using data mining and analytics techniques will be provided.

By adopting a learner-centered and experiential learning approach, the pedagogy for teaching Advanced Data Analysis topics can effectively engage participants, enhance their understanding and retention of the material, and prepare them for success in applying data mining and analytics techniques in their professional endeavors.

AIM AND OBJECTIVE

The aim and objectives of exploring the topics of Advanced Data Analysis Techniques for Research encompass several key aspects, each contributing to a broader understanding and application of these concepts:

Knowledge Acquisition: The primary aim is to equip participants with a comprehensive understanding of data mining and analytics techniques, including their underlying principles, methodologies, and applications across various domains.

Skill Development: Through theoretical knowledge and practical exercises, participants will develop the skills necessary to effectively preprocess, analyze, and interpret data using advanced mining and analytics techniques.

Problem Solving: The objective is to enable participants to identify real-world problems and apply appropriate mining and analytics approaches to derive meaningful insights and solutions.

Ethical Considerations: An important objective is to foster an understanding of the ethical implications of data mining and analytics, including issues related to privacy, bias, and fairness, and to promote responsible data practices.

Professional Development: The program seeks to contribute to the professional development of participants by enhancing their data literacy, analytical skills, and problem-solving abilities, thereby increasing their employability and career prospects in the data-driven economy.

EXPECTED OUTCOME

The expected outcomes from the above sessions on Advanced Data Analysis Techniques for Research are multifaceted, encompassing knowledge acquisition and skill development, as well as broader implications for decision-making, innovation, and ethical practice. Here are some expected outcomes:

Comprehensive Understanding: Participants will gain a comprehensive understanding of Advanced Data Analysis Techniques for Research and methodologies.

Practical Skills: Participants will develop practical skills in handling, analyzing, and interpreting data using relevant software tools or programming languages. They will be able to preprocess data, apply appropriate analytical techniques, and interpret results to derive actionable insights.

Problem-Solving Abilities: Participants will enhance their problem-solving abilities by learning how to identify, formulate, and address real-world problems using data mining and analytics approaches. They will be able to apply appropriate techniques to solve problems across various domains, such as marketing, finance, healthcare, and more.

Informed Decision-Making: Participants will be equipped with the knowledge and tools to support informed decision-making processes within organizations. They will learn how to leverage data to identify trends, predict outcomes, and optimize strategies for achieving organizational objectives.

Innovation and Creativity: Participants will be inspired to innovate and explore new opportunities for leveraging data in novel ways. They will gain insights into how data mining and analytics can drive innovation, foster creativity, and generate value across different industries and sectors.

Professional Development: Participants will enhance their professional development by acquiring valuable skills and knowledge in data mining and analytics. They will increase their employability and career prospects in the data-driven economy, and be better equipped to adapt to evolving industry trends and demands.

Collaborative Learning Community: Participants will become part of a collaborative learning community where they can share experiences, insights, and best practices with peers and instructors. They will benefit from peer learning, feedback, and support, enriching their learning experience and expanding their professional network.

Target Group: for Faculty Members & Research Scholars

04/11/2024	**8:00 pm to 9:00 pm**	Introduction to AI and its relevance in research	**Dr. Sneha Chaudhary**
05/11/2024	**8:00 pm to 9:00 pm**	AI toolsused in research	**Dr. Urvesh Chaudhery**
06/11/2024	8:00 pm to 9:00 pm	Session on Chat Gpt and it's use in research	**Dr. Urvesh Chaudhery**
07/11/2024	8:00 pm to 9:00 pm	Session on Jenni AI – writing research literature review	**Dr. Urvesh Chaudhery**
08/11/2024	8:00 pm to 9:00 pm	Data Visualisation Using Excel Part - 1	**Dr. Abhijeet Das**
09/11/2024	8:00 pm to 9:00 pm	Data Visualisation Using Excel Part - 2	**Dr. Abhijeet Das**
10/11/2024	11:00 am to 12:00 pm	Data Quality	**Dr. Urvesh Chaudhery**
11/11/2024	8:00 pm to 9:00 pm	Data Normalization	**Dr. Urvesh Chaudhery**
12/11/2024	8:00 pm to 9:00 pm	Analysis using SPSS basic tools for parametric tests using hypothesis.	**Dr. Urvesh Chaudhery**
13/11/2024	8:00 pm to 9:00 pm	Correlation and Regression	**Dr. Urvesh Chaudhery**
14/11/2024	8:00 pm to 9:00 pm	Logistic Regression	**Dr. Urvesh Chaudhery**
15/11/2024	8:00 pm to 9:00 pm	Discriminant Analysis	**Dr. Urvesh Chaudhery**
16/11/2024	8:00 pm to 9:00 pm	Cluster Analysis	**Dr. Urvesh Chaudhery**
17/11/2024	11:00 am to 12:00 pm	Report Writing using AI tools	**Dr. Urvesh Chaudhery**
18/11/2024	8:00 pm to 9:00 pm	Plagiarism checker and removal of Plagarism using Qillbolt	**Dr. Urvesh Chaudhery**
19/11/2024	8:00 pm to 9:00 pm	How to write good research paper	**Dr. Yashpal Singh**

REGISTRATION

RS 2199/-

PER PERSON

Last Date For Registration
20th October 2024

ORGANIZATING COMMITTEE

PATRON
Dr. K Bose
Chairman

ADVISOR
Dr. Yashpal Singh
Professor

CONVENER
Dr. Urvesh Chaudhury
Professor

RESOURCE PERSON

Dr. Yashpal Singh
Professor & National
Teacher Awardee
SITM Rewari

Dr. Urvesh Chaudhury
Professor, Gitarattan
International Bussines
School, Delhi

Dr. Abhijit Das
Professor, Gitarattan
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