



**ARMY INSTITUTE OF MANAGEMENT & TECHNOLOGY,
GREATER NOIDA**

Management & Faculty Development Program

on

“Data Analytics using R and SPSS”

22-28 Feb 2023

Decision making is an integral part of management which calls for tools and techniques to make it more scientific and thus reliable. Academia and Industry, both thrive on the analytical science which makes it mandatory for the practitioners to have knowledge about analytical tools. During the last decade, the momentum coming from both academia and industry has lifted the R programming language and adoption of SPSS to make data analysis seamless and scientific. These tools have become most important for computational statistics, visualization and data science. Worldwide, millions of statisticians and data scientists use SPSS and R to solve their most challenging problems in fields ranging from computational aspects to quantitative marketing. SPSS along-with R have become the most emerging and popular tools for data science and essential for Finance and analytics-driven giant companies such as Google, Facebook, and LinkedIn.

With an objective of equipping the participants with the basics of research methodology and sharpen the statistical understanding of participants with its application, Army Institute of Management & Technology (AIMT) organized a One-week Management & Faculty Development Program on “Data Analytics using R and SPSS” from 22-28 Feb 2023. The FDP witnessed active participation of research scholars, academicians, and corporate professionals across the country. A mix of pedagogical tools including presentations, discussions and hands-on exercises using data sets were widely used during the FDP.

The resource persons for the FDP were Dr. Ashulekha Gupta Professor, Graphic Era Deemed to be University, Dehradun; Dr. Sandeep Gupta Assistant Professor & Assistant Dean Student Affairs Department of Decision Sciences, Operations Management, and Information Systems Shiv Nadar University, G.NOIDA; Dr. Shailaja Grover Data Scientist, 6 σ Master Black Belt, Agile Scrum Master & Coach, JIRA Administrator, ZED Master Trainer & Consultant; Dr. Daitri Tiwary FPM, BimTech Greater Noida; Air Cmde (Dr) JK Sahu (Retd), Director -AIMT Greater Noida; Dr. Anubhav Varma Associate Professor & Area Chair-Finance, Academic Head-AIMT, Greater Noida and Dr. Pawan Kumar Assistant Professor in Computer Science /Information Technology, AIMT Greater Noida. The FDP covered a wide array of topics like Introduction to data analytics, Data cleaning and data management using excel, SPSS and R, Descriptive analytics and data

visualization using excel, SPSS and R, Predictive analytics and regression modelling, Multivariate regression modelling and model fit determination using SPSS and R and Report writing.

The programme was very much appreciated by the participants with a request to conduct the similar workshops in future too.

