



# ARMY INSTITUTE OF MANAGEMENT & TECHNOLOGY GREATER NOIDA

NAAC Accredited, ISO 9001:2015 Certified, Affiliated to GSSIPU, New Delhi, Grade A

An IQAC Initiative



## MANAGEMENT AND FACULTY DEVELOPMENT PROGRAM ON

# "DATA ANALYTICS USING R AND SPSS"



22 - 28 Feb 2023  
2:30 PM to 5:00 PM

**SPECIAL 2 DAY PRE-FDP WORKSHOP  
ON 20 & 21 FEB 2023**

## Fee: INR 999/-

Bank Name: PUNJAB NATIONAL BANK  
A/C No: 12282191095231 (SAVING A/C)  
Branch: IEML, GREATER NOIDA, U.P.  
IFSC Code: PUNB0122810

The payment can be made by Cheque/DD/NEFT  
in favor of "Army Institute of Management &  
Technology College Fund".

SCAN QR CODE & PAY



The program will be conducted  
in online mode - MS Teams.

### SPECIAL DISCOUNT

Early Bird: INR 749/- for registration done  
on or before 15 Feb 2023

Three or more participants from one  
organization: INR 649/- per participant

Registration Link:

<https://forms.gle/hdWAdVhgiLVkMsao7>

**CONTACT US NOW**



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(Dr. Babita Bhati)

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(Prof. Sandeep Sahu)



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For details, please visit:

[www.aimt.ac.in](http://www.aimt.ac.in)



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## ABOUT AIMT

AIMT, Greater Noida was established by Army Welfare Education Society (AWES) in Aug 2004 with the aim of providing quality education in the field of Management to the wards and widows of Army personnel. AIMT is affiliated to Guru Gobind Singh Indraprastha University, Delhi and is also NAAC Accredited; ISO 9001: 2015 Certified Institute. Equipped with all modern learning tools/facilities, the Institute aims to provide top class management education to the wards of Army Personnel. The Institute is also actively engaged in providing management consultancy services. The Institute has reached out to global extensions for giving an international outlook to the students by MOUs with Tamansiswa Palembang University (Indonesia) and Westford School of Management, Sharjah (UAE). AIMT has more than 19 years of glorious presence in the field of management education with projects like Indian Golf Union, setting up incubation centre at Government Institute of Medical Sciences, training more than 1000 Judicial Officers of UP and many more projects to its credit.

## COURSE OVERVIEW

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 qualitative marketing. SPSS along with R are now emerging as user-friendly and popular tools for data science which are essential for analytics-driven industry and academia around the globe.



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## OBJECTIVES OF THE PROGRAM:

**The program aims to achieve the following objectives:**

- To equip the participants with the basics of research methodology.
- To provide an understanding of descriptive and inferential statistics.
- To provide a basic understanding of descriptive & predictive techniques.
- To use SPSS for data analysis and interpretation of the respective SPSS output.
- To acquaint the participants with the basics of R.
- Sharpen the statistical understanding of participants with its application.
- Use R as a medium for performing data analytics with relevant examples.

## OUTCOMES OF THE PROGRAM:

- An understanding of R Programming Language and SPSS.
- Ability to understand and handle data.
- Be able to address the business needs for effective decision-making using SPSS and R.
- Be able to appreciate, distinguish and judiciously use R and SPSS for the analytical processing of data.
- Get acquainted with R programming language and SPSS via hands-on exercises.

## METHODOLOGY

A mix of pedagogical tools including presentations, discussions and hands-on exercises using data sets.

## WHO CAN PARTICIPATE

- Industry Delegates
- Academicians
- Research Scholars
- Students



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## PROGRAM SCHEDULE

Day/ Date	Time	Topic
20-Feb-23	03:00 - 04:00	R Installation and R Libraries
21-Feb-23	03:00 - 04:00	
22-Feb-23	02:30 - 02:45	Briefing by Program Convener
	02:45 - 02:55	Welcome address by Dr JK Sahu, Director – AIMT, Gr. Noida
	02:55 - 05:00	Introduction to data analytics
23-Feb-23	02:45 - 05:00	Data cleaning and data management using excel, SPSS and R
24-Feb-23	02:45 - 04:00	Descriptive analytics
	04:00 - 05:00	Data visualization using excel, SPSS and R
25-Feb-23	02:45 - 05:00	Predictive analytics and regression modelling
27-Feb-23	02:45 - 05:00	Multivariate regression modelling and model fit determination using SPSS and R
28-Feb-23	02:45 - 04:30	Report writing
	04:30 - 04:45	Question Answer Session
	04:45 - 05:00	Valedictory





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## RESOURCE PERSON



**Dr. Jitendra Mohan Bhardwaj**  
Sr. Vice President | Chief Information  
Officer | Chief Information Security  
Officer | Global Business Head - Cyber  
Security | Global Delivery Head - US Geo.



**Air Cmde (Dr) JK Sahu (Retd), Director -  
AIMT Greater Noida**  
Ph.D (Management), Ph.D (Physics), M.Phil  
(Management) , M.Phil (Defence & Strategic  
Studies), M.Phil (Meteorology)



**Dr. Shruti Gupta**  
Skill Associate Professor –  
Management Shri Vishwakarma  
Skill University, Haryana



**Dr. Anubhav Varma**  
Associate Professor & Area  
Chair-Finance, Academic Head-  
AIMT, Greater Noida



**Dr. Atul Sangal**  
Associate Professor &  
Area Chairperson-  
Management, Sharda  
University



**Dr. Pawan Kumar**  
Assistant Professor in  
Computer Science /  
Information Technology,  
AIMT Greater Noida

### Convenors:

**Dr. Anubhav Varma**  
Associate Professor (Fin.) & Academic Head

**Dr. Pawan Kumar**  
Assistant Professor, IT

**Dr. Babita Bhati**  
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