REPORT

FACULTY DEVELOPMENT PROGRAM
in association with Institute of Analytics, UK
HOW TO USE OPEN SOURCE STATISTICAL PACKAGE R TO ANALYSE
DATA IN RESEARCH
(July 6-10, 2020)

An Intensive Faculty development program on 'HOW TO USE OPEN SOURCE STATISTICAL PACKAGE R TO ANALYSE DATA' was organized by Prestige Institute of Management and Research, Indore from July 6-10,2020 in online mode on ZOOM platform. A five days program included sessions including basics of R software, t-test, ANOVA, Regression analysis through R. This workshop is intended to help faculty members, managers, researchers, management students in sharpening their Analytical Skills through R studio. Thirty-five participants attended the program. Each session of the program was full of learning and sharing research experiences with each other. The expert speakers of the workshop were Dr.Vinod Murti, certified Trainer for IBM-CEBT, country head of **Institute of Analytics, UK** and Dr. Madhavi R. Associate Professor, Jain University Banglore. Hand on practice was given and the queries and doubts on every topic were resolved by the experts. Welcome address was delivered by Director PIMR UG Dr. R.K. Sharma in inaugural session.

Total No. of Participants:34

The detailed program schedule is as follows:

DAY-WISE PROGRAM SCHEDULE

Day	Name of Topic	Broad Content	Resource Person
1	Basic of R Programming	R Programming Basics, Data Frame & Structures, Import and Export of files	Dr.Vinod Murti
2	Data Cleaning	Data Manipulation, Slicing & Dicing Data for deeper insights	Dr.Vinod Murti
3	Statistical Concepts and Data Visualization	Sample Statistics, Central Tendency & Dispersion, Standard Error of Mean	Dr.Vinod Murti
		Bar Plot, Pie Chart, Histograms, Box Plots, Pair Plots, Heat Maps	
4	Hypothesis Testing- t test/ Analysis of Variance/ Correlation & Regression	Hypothesis Testing, Type I & II Errors, T Tests	Dr.Vinod Murti
		Analysis of Variance, One Way ANOVA and Two-Way ANOVA	
		Dependency, Best Fit Line	
5	Framework for good	Emphasize on Literature Review,	Dr.Madhavi R.

research paper	Statistical Analysis & citation as per APA Guidelines	

The workshop was concluded by the Coordinators of Workshop Dr, Sharda Haryani and Dr. Sukhjeet Kaur Matharu.

Coordinator   **Coordinator**

Dr.Sharda Haryani   **Dr. Sukhjeet Kaur Matharu**