



## Faculty Development Program



**VIT**<sup>®</sup>  
Vellore Institute of Technology  
(Deemed to be University under section 3 of UGC Act, 1956)

### Event Outcome

**Title :** Data Driven Research and Analytics  
Using Statistical tools

**Date :** 2025-08-18 - 2025-08-22

**Time :** 10:00 - 17:30

**Venue :** HOMI BABA GALLERY

- Apply Statistical tools to real-world academic problems and automate tasks for productivity
- Improved familiarity with user friendly statistical tools enabling participants to perform descriptive and inferential statistics with ease
- Increased confidence in selecting appropriate statistical tests t tests ANOVA Regression chi square etc for various types of data.
- Enhanced ability to interpret statistical output and generate meaningful insights from datasets
- Development of skills in presenting results through clear visualizations and report ready tables.

	<p><b>Resource Person 1 - Details</b>  <b>Name :</b> Dr M Ramakrishnan  <b>Designation :</b> Associate Professor, Department of Mathematics  <b>University/ Company :</b> Ramakrishna Mission Vivekananda College, Chennai  <b>Address :</b> India, 632014.</p>
	<p><b>Resource Person 2 - Details</b>  <b>Name :</b> Dr N Mohan  <b>Designation :</b> Assistant Professor, Department of Mathematics  <b>University/ Company :</b> Ramakrishna Mission Vivekananda College, Chennai  <b>Address :</b> India, 632014.</p>
	<p><b>Resource Person 3 - Details</b>  <b>Name :</b> Dr C Ponnuraja  <b>Designation :</b> Scientist F grade, ICMR  <b>University/ Company :</b> ICMR, Chennai  <b>Address :</b> India, 632014.</p>
	<p><b>Resource Person 4 - Details</b>  <b>Name :</b> Dr N Vishwanathan  <b>Designation :</b> Professor HOD, Department of Mathematics  <b>University/ Company :</b> Presidency College, Chennai  <b>Address :</b> India, 632014.</p>
	<p><b>Resource Person 5 - Details</b>  <b>Name :</b> Dr Duraisamy Arumugasamy  <b>Designation :</b> Professor and Dean, Science and Humanities  <b>University/ Company :</b> SRM Institute of Technology, Chennai  <b>Address :</b> India, 632014.</p>
	<p><b>Resource Person 6 - Details</b>  <b>Name :</b> Sujatha V  <b>Designation :</b> Assistant Professor Grade 2, School of Computer Science and Engineering  <b>University/ Company :</b> VIT, Vellore  <b>Address :</b> India, 632014.</p>

## **Resource Person's Profile :**

### **1. Profile of Dr M Ramakrishnan**

Dr. M. Ramakrishnan, M.Sc., M.Phil., Ph.D., Associate Professor, Post Graduate and Research Department of Mathematics Ramakrishna Mission Vivekananda

### **2. Profile of Dr N Mohan**

Mohan Natarajan

Teaching faculty, Ramakrishna Mission Vivekananda College, Mylapore, Chennai - 600 004.

### **3. Profile of Dr C Ponnuraja**

Chinnaiyan Ponnuraja

National Institute for Research in Tuberculosis

### **4. Profile of Dr N Vishwanathan**

Dr N Vishwanathan working as a Professor and HOD in the Department of Statistics Presidency college Chennai

### **5. Profile of Dr Duraisamy Arumugasamy**

Dr A Duraisamy taught Economics and Econometrics since 1990 at Madras Christian College, Chennai

Retired as Head of the Department of Economics Dean of Humanities MCC

Has been adjudged as the Best Teacher of Economics in Tamilnadu for 2020 by Malcolm Elizabeth Adiseshiah Trust Chennai

Received the SENIOR ECONOMIST award at the 40th Annual Conference of Association of Economist of Tamilnadu

Dr.Duraisamy has a Ph D in Economics from the Madurai Kamaraj University Madurai

### **6. Profile of Sujatha V**

Dr. V.Sujatha is a distinguished mathematician who holds a Ph.D in Mathematics from Anna University. She completed her B.Sc. and M.Sc. in Mathematics from Periyar University. The areas of specialization are Applied Probability, Stochastic Models, Deteriorating systems, (Re)manufacturing, Profit analysis, Warranty and Cost Analysis of systems. She has made significant contributions to the field. She holds the position of Assistant Professor at SCOPE

In today's data rich environment, effective research and decision making are increasingly reliant on robust statistical analysis. Data Driven Research and Analytics Using Statistical Tools in Jamovi aims to empower researchers, educators, and students with the practical knowledge required to conduct meaningful analyses through an intuitive, open-source platform. This study or workshop explores the integration of core statistical concepts with Jamovi a user friendly software that bridges the gap between complex statistical techniques and accessibility for non-programmers.

The session focuses on data exploration, hypothesis testing, regression models, and advanced statistical procedures such as ANOVA and factor analysis, all conducted within the Jamovi environment. Participants will engage in hands-on demonstrations using real world datasets to interpret outputs, visualize results, and make informed decisions. By emphasizing reproducibility, transparency, and ease of use, this approach enhances both the rigor and reach of data analytics in academic and applied research contexts. Overall, the initiative promotes statistical literacy and supports a data driven culture by making sophisticated analytics approachable through Jamovi modern, graphical interface.

Jamovi software

**Coordinator's: Prof. KALPANA PRIYA D 11624 - Assistant Professor Sr. Grade 2 - SAS**  
**Prof. SUJATHA V 13403 - Assistant Professor Grade 2 - SCOPE**