KEY RESOURCE PERSON

Mr. Manoj Kumar Mishra,
Assistant Professor, School of Management, OP Jindal University, Raigarh, Chhattisgarh

ORGANIZING SECRETARIES

- **Dr. Muralidhar Majhi,**
  Asst. Prof. School of Economics, GMU
- **Dr. Gnyana Ranjan Bal,**
  Asst. Prof. School of Commerce, GMU
- **Shibani Sharma,**
  Asst. Prof. School of Management, GMU

ORGANISING TEAM

- **Dr. Mahesh Kumar Bagarti, Faculty.**
- **Mr. Subrat Pradhan, Faculty.**
- **Mr. Sandeep Mukharjee, Faculty.**

OUR ESTEEMED PATRONS

Chief Patron
Prof. N. Nagaraju
Vice Chancellor,
G.M. University.

Patron
Dr. Susanta Kumar Das
Chairman, P.G. Council,
G.M. University.

Patron
Sri Sanat Kumar Naik
Registrar,
G.M. University.

Patron
Dr. Uma Charan Pati
Dy. Registrar,
G.M. University.

CONVENERS

Dr. Srinibash Dash
HoD, School of Management,
G.M. University, Amruta Vihar.

Dr. Priyabrata Panda
HoD, School of Commerce ,
G.M. University, Amruta Vihar

INVITATION

GANGADHAR MEHER UNIVERSITY,
Amruta Vihar,
Sambalpur-768004 (Odisha)

Two Day National Workshop On

"R Software for Advanced Data Analysis."

2nd to 3rd July, 2024

2nd to 3rd July, 2024
10:00 am - 5:00 pm
Jointly Organized by:
School of Management, Economics and Commerce.
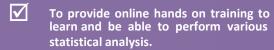
ABOUT THE WORKSHOP

   R is a free software environment for statistical computing and graphics. First, this workshop introduces basic concepts, syntax, and usage in R programming, statistical analysis, and visualization techniques. We will conduct hands-on tutorials throughout the session, giving attendees a chance to see R in action. This course is a pre-requisite for several other Collaboratory workshops.

   This workshop is geared towards researchers who have little or no experience with R who want to get started with importing data into R and visualize it. This workshop will provide resources for data wrangling, visualization and cover principles and best-practices for robust and reproducible data visualization. If you are interested in any particular R/Data Visualization tool, please contact the instructor in advance and effort will be made to cover topics of community interest.

WORKSHOP OBJECTIVES

Participants will be able to:

☑ **To make students able to select appropriate research methodology for their areas of research, enhance their data analytics skills.**

☑ **To provide online hands on training to learn and be able to perform various statistical analysis.**

WORKSHOP SCHEDULE

First day Technical Session (Introduction to R Programming) 02.07.2024			
Date & Time	Session	Topic	Resource person
02.07.2024	First Technical Session	Introduction to R and RStudio; Installation of R and RStudio; Overview of RStudio interface; Mid-morning Session:; Basic R Syntax: variables, functions, operators; Data Types: numeric, character, logical; Vectors and data structures	Mr. Manoj Kumar Mishra, Assistant Professor.
02.07.2024	Second Technical Session	Data Import: CSV, Excel, etc.; Data manipulation with dplyr package; Introduction to data visualization with ggplot2; Late Afternoon Session:; Hands-on Exercises	
Second day Technical session (Advanced R Programming and Applications) 03.07.2024			
Date & Time	Session	Topic	Resource person
03.07.2024	First Technical Session	Writing Functions in R; Control Structures: If-else statements, loops; Best practices for writing efficient code; Mid-morning Session:; Working with Data Frames; Data manipulation and analysis with data frames; Reshaping and aggregating data	Mr. Manoj Kumar Mishra, Assistant Professor
03.07.2024	Second Technical Session	Introduction to Statistical Analysis with R; Descriptive statistics; Inferential statistics: hypothesis testing, linear regression	

WHO SHOULD PARTICIPATE

The Workshop is open for researchers of all disciplines, Academicians & Professionals.

- UG, PG students & Research Scholars.
- Corporate Personnel.

IMPORTANT DATES:
Opening Date for Registration: 16-May-2024
Closing Date for Registration: 30.06.2024 (6:00PM)
Intimation to Registered Participants by Email: 30.06.2024

*Contact Details for any Queries:
Mr. Khageswar Sahu- 8658313268
Mrs. Shibani Sharma-7008484609

FEE REGISTRATION PROCESS

Participants Category
UG/PG Students: INR. 400/-
M.Phil, Ph.D. & Other Participants: INR. 700/-
Corporate Participants: INR. 1000/-
Participants Limit:

Registration fee is meant for participation in the workshop, e-certificate & e-access to the workshop. *(No Accommodation will be provided)*

Registration fees can be transferred through mobile apps/online banking/mobile banking etc. to the following account number and upload the screenshot/photocopy of the transaction reference number.

Account Holder Name:	**HoD, Dept. of Professional Studies**
Account Number:	**21010110041697**
IFSC Code:	**UCBA0002101**
Bank Name:	**UCO BANK**
Branch:	**Budharaja, Sambalpur**

REGISTRATION LINK

Participants should fill up the registration form by clicking on the following link.

https://forms.gle/ELMgPiBWGQJZUGm57

❖ The workshop will be on Blended Mode and the link will be sent to the participants well in advance to their registered email and mobile number.

Workshop 2nd to 3rd July, 2024