

REGISTRATION FORM

Two days Workshop

on

Research Methodology & R Programming

Under
TEQIP-III

(31 Aug. -01 Sep. 2019)

1. Name:.....
2. Gender:.....
3. Designation:.....
4. Organization:.....
5. Correspondence Address:.....
.....
- Mobile. No.:.....
- Email:.....
6. Qualifications:
7. Teaching/Research Exp. (years):.....
8. Lodging Requirement: Yes/No.....
9. Area of Research:
10. Signature with Date:.....

SPONSORSHIP CERTIFICATE

It is certified that our institute is recognized by AICTE. The applicant is hereby sponsored and will be permitted to attend the above short term course, if selected

Date:

Signature and Seal

of the Sponsoring authority

(Photocopy additional copies of this form, if needed)

(scanned copy of registration form can also be sent by E-mail)

REGISTRATION

Teachers of AICTE recognized Engineering Institutions are eligible to apply for the course. Accommodation will be arranged on request of outstation participants on 'first come first serve' basis. The number of participants is limited to 50 for the Program. The interested candidates need to apply on the prescribed format by the due date through email only at: rpteqip2019@gmail.com

ADDRESS FOR COMMUNICATION

COORDINATOR

Angad Singh Ojha

Assistant Professor

Department of Applied Science

Mobile no. 9425793122

ORGANIZING SECRETARY

Jitendra Kumar

Assistant Professor

Department of Applied Science

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Dr. Shourabh Bhattacharya

Assistant Professor

Department of Applied Science

Mobile no. 8871168074

**Department of Applied Science
MITS, Gwalior-474005**

Last date of receiving duly filled application form is 26th August 2019. The candidate will be informed of the selection in advance via email.

TEQIP SPONSORED

Two days Workshop

on

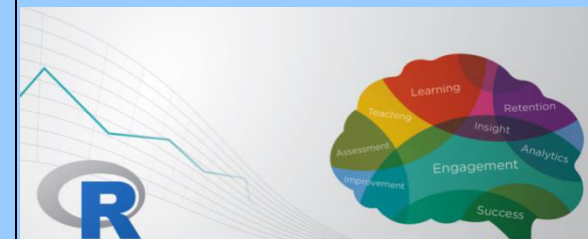
RESEARCH METHODOLOGY

&

R PROGRAMMING

31 August - 01 September

2019



ORGANIZED BY

DEPARTMENT OF APPLIED SCIENCE



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

(A GOVT. AIDED UGC AUTONOMOUS & NAAC ACCREDITED
INSTITUTE, ESTABLISHED IN 1957) GWALIOR, M.P. 474005

PREAMBLE

The significance of Data and its effective analysis is unavoidable to have a good piece of research and to make a fruitful decision. From students to scholars, individual researchers to research institutes throughout the world come across the part of data analysis to carry out their research. Statistics and statistical analysis play a crucial role in research and analyzing data. This workshop provides the platform to the various researchers from academia, industrial persons and R & D organizations to enhance the research in the area of their research using R. This workshop focus on the data handling in the respective area of researcher. It explores how to analyze research data using R programming.

The aim of this workshop is to provide hands on training in understanding the concepts of operation research and statistical analysis using R programming which is one of the most widely used open source package in the field of Data Science across the world. This workshop will help the participants in applying proper research methodology and improving their analysis by applying various statistical techniques using R programming. The workshop is suitable for beginners to create applications using R Programming.



COURSE CONTENT

The following topics will be covered in this Workshop:

- ✓ **Introduction to R,**
- ✓ **Data types in R;**
- ✓ **Importing and handling data in R;**
- ✓ **Working with functions in R;**
- ✓ **Exploratory Data Analysis using R (Data Visualization);**
- ✓ **Descriptive Statistics (summary Measures) using R;**
- ✓ **Hypothesis Testing – I (Parametric);**
- ✓ **Hypothesis Testing – II (Non-Parametric);**
- ✓ **Analysis of Variance (One way ANOVA, Two way ANOVA);**
- ✓ **Simple and Multiple Linear Regression Analysis;**
- ✓ **Logistic Regression;**
- ✓ **Time Series Analysis;**

RESOURCE PERSONS

The Resource Persons for the Workshop will be Eminent Professors and experts from IITs, IIITs, NITs, and other esteemed institutions.

FEEs & FINANCIAL ASSISTANCE

Registration Fees (Non-AICTE institutions only)

1. Faculty-500/-
2. Students/ Research Scholars-300/-

There will be no registration fee for the participants from AICTE recognized institutions.

Free boarding and lodging will be arranged for limited no. of participants in the Institute hostels/Guest house or Hotels.

ABOUT MITS

Madhav Institute of Technology and Science (MITS), Gwalior was established by His Highness Late Sir Jiwaji Rao Scindia, Maharaja of Erstwhile State of Gwalior, with an aim to create world class quality engineers and technocrats capable of providing leadership in all spheres of life and society. Founded as Madhav Engineering College in 1957 with three UG programs, this temple of learning is now about 60 years old. Since its inception, the institute has constantly strived for excellence and quality in technical education. Today, the institute offers nine UG programs along with research programs leading to Masters and Ph.D. degree in various specializations of engineering and technology. All the departments of the institute have well equipped laboratories and experienced faculties. The institute is a minor QIP centre of AICTE for Ph.D. program in five disciplines. The institute is also funded by World Bank under TEQIP phase III to strengthen the quality of technical education.

LOCATION

Gwalior city has major road and rail connectivity as it is situated on the central railway and connected to major cities by highways. The Institute is located on Agra-Bombay Road (NH-3) and is approximately 320 KM from Delhi. The institute is located in the heart of city and is at a distance of about 2 km from Gwalior Bus Stand/Gwalior Railway Station.