

MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY



MAIT
उद्यमेन हि सिद्ध्यन्ति
कार्याणि न मनोरथैः

DEPARTMENT OF MANAGEMENT (MBA)

PRESENTS

***One Week Faculty Development Program
cum Workshop***

on

“Data Analytics using R”

23rd – 27th July, 2021 (Online Mode)



About the FDP

The importance of data analytics in any sector is compounded, creating enormous quantities of knowledge that can provide useful insights into the field. Data analytics help organizations and businesses gain insight into the enormous amount of knowledge they need for further production and growth. Various Data Analysis Techniques offer a range of data analysis solutions which can help to conduct data analysis and give empirical content to economic solution. The FDP will be focusing on giving handfull knowledge and training on different Data Analysis Techniques. It will provide hands-on experience for in-depth understanding of statistical tools and its application using in R-studio. The participants will be able to do their research with new advanced software with an easy interface.



MEET OUR DIGNITARIES



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Prof. S.K. Garg, Director General, MAIMS
Prof. Ravi Kumar Gupta, Director, MAIMS

Participants

Academicians, Research Scholars, Industry People/ Students.

Certification

All the participants will be provided with an E-certificate of Participation after successful completion of FDP.

Registration

Registration Fees :

For Academicians, Research Scholars and people from Industry } Rs.750/-

For Students } Rs.500/-

(Registration fee includes course material and recording of FDP)

Registration Link :

<https://forms.gle/ewqMd2bZ9qFDZgeAA>

Payment to be made in favour of

Account Holder's Name	Maharaja Agrasen Institute of Technology
Bank Name	Union Bank of India
Bank Account No.	394502010059875
IFSC / NEFT Code	UBIN0560421

For queries please contact:-

Dr. Neeru Gupta : 9711192375
Dr. Ritu Gupta : 9416166430
Dr. Sukhvinder Singh : 98112 37941

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Founder & Chief Advisor, MATES
Chancellor, Maharaja Agrasen University (HP)

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Maharaja Agrasen Institute of Technology

(Approved by AICTE and Affiliated to GGSIP University)

One Week Faculty Development Program cum Workshop

on

“Data Analytics using R”

July 23-27, 2021 (Online Mode)

Organized by

Department of Management (MBA)



Convener

Dr. Amit Gupta, HOD

Department of Management (MBA)

Coordinators

Dr. Neeru Gupta

Dr. Ritu Gupta

Dr. Sukhvinder Singh

Maharaja Agrasen Institute of Technology

Plot No. 1, Sector – 22, Rohini, Delhi-110086

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Maharaja Agrasen Institute of Technology

Maharaja Agrasen Institute of Technology was established in 1999 by Maharaja Agrasen Technical Education Society promoted by a group of well known Industrialists, Businessmen, Professionals and Philanthropists with an aim to promote quality education in the field of Technology and Management. Since then, MAIT has grown from strength to strength to emerge as one of the top technical institutes among the private Institutes and has been constantly ranked amongst the top engineering Institutes by DATAQUEST.

To build lasting relations with Industry, MAIT joins hands with industry in fulfilling the social responsibility of imparting industry relevant technical education and training. Its Alumni have also distinguished themselves through their achievements in industry, academics, research, business, government and social domains. The institute continues to work closely with the Alumni to enhance its activities through interactions in academic and research programme.

Department of Management (MBA)

The Department of Management was established in the year 2004 under GGSIP University with an intake of 60 students. The intake was subsequently increased to 120 in 2011 and 180 students in 2012. The Department is committed to achieve excellence in management education & research and assesses the success of its programme using the highest standards of quality. A group of well qualified, experienced and highly motivated faculty is engaged in providing quality education to the future managers and prepare the students in wider field of management to take up challenging jobs in the area of Finance, Marketing, HRM, International Business, Information technology etc.

Since inception, the Department has been the first choice of the students seeking admission in management institutes under GGSIP University. The students from the department are recruited by both academia and industry. Many of the ex-students of the department occupy top positions in both academia and industry.

The Department works with a Mission "To develop the higher academic learning known for its total commitment to excellence in management education and research with a holistic concern for quality of life, environment, society & ethics".

About the FDP

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Objective of FDP

After attending the FDP, the participants would be able to:

- Understand the fundamentals around how and why to apply the R language to data processing, analysis and visualizations.
- Use for themselves how efficient R can be, when applied to an actual market research project.

Expected Outcomes

- Learn the fundamentals of programming in R
- Learn the core tools for data science with R
- Systematically explore data in R
- Visualise data: plot different types of data & draw insights
- Understand and carry out different kinds of statistical analysis in R
- Data mining and Sentiment Analysis in R

Eminent Resource Person

Dr. Vishal Shukla is a Data Scientist and Faculty of Business Analytics at Presidency University, Bangalore. He holds a doctoral degree from the prestigious Banaras Hindu University, Varanasi and MBA from HBTI, Kanpur, He is a passionate academician, researcher and a keen learner who believes in holistic development of students through knowledge dissemination. He has published many research papers in journals of national and international repute. His teaching interest includes Quantitative Techniques, Market Research and Analytics, Financial Econometrics and Marketing Courses. He is actively involved in providing hands on training on statistical tools such as SPSS, R, Python etc. to both the academia and the corporates. He has conducted many FDPs and MDPs both for the academia and the corporates. He is also on the board of reviewers of some prestigious international journals.

MAIT FDP 24-29 May, 2019

One Week Faculty Development Programme on "Advance Data Analysis Techniques: SEM & Econometrics" was conducted. The FDP received a overwhelming response and more than **40 participants** from different institutes and industry professionals enriched their knowledge on advanced data analysis techniques.



Resource Persons at MAIT (FDP May, 2019)

- **Dr. Hamendra Kumar Dangi**, Associate Professor, Department of Commerce, University of Delhi.
- **Dr. Sunita Arora**, Associate Professor, Department of Commerce, Government College for Girls, Sector-14, Gurugram.



Maharaja Agrasen Institute of Technology, Delhi
Department of Management (MBA)

One Week Faculty Development Program cum Workshop
on
“Data Analytics using R”
(23–27 July, 2021)

Program Schedule

MS Teams (Online Platform)

Day 1	NT1 10:00 am-11:00 am	S1 (11:00 am-12:30 pm)	S2 (01:00 pm-02:30 pm)	S3 (03:00 pm-4:30 pm)
Day 1 (23 July)	Inauguration Program Online Mode (MS Teams)	Understanding the R environment	Handling Data in R	Data cleaning, coding and manipulation in R
Day 2-4	S1 09:30 am-11:00 am	S2 12:00 pm-01:30 pm	S3 03:00 pm-4:30 pm	
Day 2 (24 July)	Exploratory Data Analysis in R	Creating graphs and plots in R	Advanced Data visualization in R	
Day 3 (25 July)	T-Test and ANOVA in R	Correlation and Simple Linear Regression in R	Logistic Regression in R	
Day 4 (26 July)	Non Parametric tests in R	Cluster Analysis in R	Discriminant Analysis in R	
Day 5	S1 09:30 am-11:00 am	S2 12:00 pm-01:30 pm	S3 03:00 pm-4:30 pm	NT2 (04:30 pm-5:00 pm)
Day 5 (27 July)	Using R to get Twitter Data	Data mining in R	Sentiment Analysis in R	Valedictory Session

One Week Faculty Development Program cum Workshop on

“Data Analytics using R”

23rd July - 27th July 2021 (Online Mode)

SCHEDULE

Day 1: (23 rd July, 2021)	<ul style="list-style-type: none"> Inauguration Welcome Address Understanding the R environment, Handling Data in R and Data cleaning, coding and manipulation in R Vote of thanks
Day 2: (24 th July, 2021)	<ul style="list-style-type: none"> Exploratory Data Analysis in R, Creating graphs and plots in R and Advanced Data visualization in R
Day 3: (25 th July, 2021)	<ul style="list-style-type: none"> T-Test and ANOVA in R, Correlation and Simple Linear Regression in R and Logistic Regression in R
Day 4: (26 th July, 2021)	<ul style="list-style-type: none"> Non Parametric tests in R, Cluster Analysis in R and Discriminant Analysis in R
Day 5: (27 th July, 2021)	<ul style="list-style-type: none"> Using R to get Twitter Data, Data mining in R and Sentiment Analysis in R Vote of Thanks

RESOURCE PERSON



Dr. Vishal Shukla

Associate Professor
School of Commerce,
Presidency University, Bengaluru

REGISTRATION FEE DETAILS

For Academicians/ Industry Professionals/ Research Scholars Rs.750/-

For Students Rs. 500/-

Payment Mode- NEFT/IMPS/other

Registration form is available at:-
<https://forms.gle/ewqMd2bZ9qFDZgeAA>

PAYMENT DETAILS:

Name of the Beneficiary: Maharaja Agrasen Institute of Technology
Name of Bank/Branch: Union Bank of India, Sector 22, Rohini, New Delhi
Account No.: 394502010059875, **IFS Code:** UBIN0560421

PARTICIPATION DETAILS:

- Platform Used:** MS Teams (download the app on Desktop/Mobile as per your convenience)
- Link to join:** Link will be mailed and should be used for all 5 days. You will also receive a WhatsApp Link/ Message
- Limited Seats:** First come first served basis
- E-Certificate will be provided to all participants**
- Recorded Sessions and Material shared by resource person will be provided to all Participants through mail/ WhatsApp text**

For any query Contact: FDP Co-ordinators

Dr. Neeru Gupta (9711192375), Dr. Ritu Gupta (9416166430)
Dr. Sukhvinder Singh (98112 37941)



Maharaja Agrasen Institute of Technology

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Sector-22, Rohini, Delhi – 110086

NOTICE

Dated: 24.06.2021

Department of Management (MBA), MAIT is organizing a One Week Faculty Development Program cum Workshop on “Data Analytics using R”. The details for the same are given below:

Date : 23rd to 27th July, 2021

Time : 09:30 AM to 04:30 PM

Platform : MS Teams (Online Mode)

Resource Person: Dr. Vishal Shukla, Professor
School of Commerce, Presidency University, Bengaluru

Registration Link : <https://forms.gle/ewqMd2bZ9qFDZgeAA>

All the interested faculty members, staff and students are requested to register themselves at the earliest.

Prof. (Dr.) Neelam Sharma
Director

MAIT Website

CC to:

1. Founder and Chief Advisor
2. Chairman
3. Executive Chairman
4. General Secretary
5. Chief Executive
6. Vice Chairman
7. Secretary
8. Director (MAIMS)
9. Dean Academics
10. All HoD's
11. All Faculty members of MAIT and MAIMS