



Maharaja Agrasen Institute of Technology

Department of Management, MBA

Dossier on

“Regression Analysis Using Excel”

Online Course

Held On

2nd July, 2021

MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY
(Approved by AICTE & Affiliated to GGSIP University)
Plot No. 1, Sector – 22, Rohini, Delhi-110086

DEPARTMENT OF MANAGEMENT (MBA)

**Under the Aegis of IQAC
presents
Online Training on**

“Regression Analysis using Excel”

Presenter
Dr. Neeru Gupta
Assistant Professor,
MBA Department, MAIT

2nd July 2021 (Friday)
(3.30 PM to 5:00 PM)

Event Joining Link (MS Teams)
<https://tinyurl.com/6upaddnx>

**E-certificate
to all
participants**

Faculty Coordinators : Mr. Rajiv Jain, Dr. Sukhvinder Singh

S. No.	Particulars	Page No.
1.	Form-A : Proposal to organize an event	3
2.	Form B : Part I - Aim of the event Part II – Abstract Part III – Conclusion Part IV – Snap Shot	4 4 6 7

Session Presenter:

Dr. Neeru Gupta,

Assistant Professor

Session Coordinators:

Mr. Rajiv Jain

Assistant Professor

Dr. Sukhvinder Singh

Assistant Professor

Dr. Amit Gupta

HOD, Department of Management, MBA, MAIT

Prof. (Dr.) Neelam Sharma

Director, MAIT

Proposal:

- **Name of the event:** Online Course on “Regression Analysis using Excel”
- **Date:** 2nd July, 2021
- **Time:** 3:30-5:00 p.m
- **Venue:** Online through MS Team
- **Organized By:** Department of Management, MBA, MAIT

Objective of the Course:

Skills development is at top most priority in Higher Education today. Management institutes are expected to provide various training program to their students. The training program ‘Regression Analysis using Excel’ is designed to orient management students toward statistical research analysis and impart some analytical skills to solve various management problems. The exclusive training program will provide an opportunity to learn how to use regression analysis in various management problems. This program will work as a stimuli for those who are keen to learn regression analysis.

Many of the management problems are related to identify the factors leading to a particular situation or to identify cause and effect relationship among variables. Regression analysis is a statistical method used for estimation of relationship between dependent and one and more independent variables. It can be utilized to assess the strength of the relationship between variables and for modeling the future relationship between them.

Aim of the course:

This training program aims :

- To provide research stimuli to keen learners.
- To provide a hand-on experience of the regression model and its use in management researches.
- to acquaint learners with various assumption of regression model and their importance.

Abstract:

The contents of this course are designed to support the course objectives. The following focus areas are included in this course:

- Bi Variate Regression Analysis
- Multi Variate Regression analysis:
- Various Assumptions of regression Model:
 - Homoscedasticity
 - No Multicollinearity
 - Normality
 - No Autocorrelation

The session started at 3:30 p.m. with a brief introduction of the topic. First, the students were acquainted with the term regression and use of regression analysis in various management problems. Some practical problems were discussed where regression analysis can be used.

Slowly the session moved toward the practical part. A live tutorial was present to make students learn how to apply regression in Excel. Students were also provided with the knowledge of how to interpret the results given by regression analysis.

Later on the various assumptions of regression analysis were discussed. The students were given the experience that why the assumptions of regression analysis are important and they need to be checked before creating a regression model.

At the end of this course the participants were able to

- Understand the importance and the use of regression model
- Develop some analytical skills
- Apply regression model on various management research problems by identifying the dependent and independent factors

Conclusion:

The course was designed to help post graduate students who have quantitative research aptitude and wish to learn regression model and its applicability in various management and corporate problems. The session was very interactive and motivational for the students. In total 72 students attended the course. Many students put the queries which are handled by the speaker very effectively.