MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY
Department of Management (MBA)

Under the Aegis of IQAC
Presents
Online Course on Regression Analysis Using Excel

Report

Course Name- Regression Analysis Using Excel

Course Duration- 1:30 Hours

Date – 2nd July 2021

Course Presenter- Dr. Neeru Gupta

Presenter Designation & Affiliation- Assistant Professor Maharaja Agrasen Institute of Technology, Delhi

Course Overview

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.

Course Objective

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.

Who is this course for-

For post graduate students who have quantitative research aptitude and wish to learn regression model and its applicability in various management and corporate problems.

Course Outline

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

Methodology

- Theoretical Instructions
- Working on Excel with some live examples
- Practical & Interactive sessions
- Q & A sessions

Course Outcome

At the end of this course the participants will be 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

Course Deliverables

Handouts/Slides

E-Certificate