

VALUE ADDED COURSE

Session - 2022-2023



Certificate Course in Advanced SPSS

About the course

This course demonstrates critical thinking and analytical skills for business decision making. There are different modules for different segments of SPSS such as data interpretation, measures of central tendency, hypothesis testing, parametric and non-parametric tests, Levene's test, Wilcoxon Sign Rank Test, Sign Test are important from employment point of view. This course leads students from the basics of statistics to more advanced concepts. The course was practical in nature and was having operational and conceptual knowledge of Advanced SPSS to become employable in the organizations dealing in. Student will understand the basic concepts of SPSS such as their role, structure and participants will gain a deeper understanding of statistical concepts, learn to apply advanced statistical models, and develop critical thinking skills necessary for effective data analysis and interpretation etc.

Learning Outcome

After completion of the course, students will be able to:

- Students will be able to apply fundamental concepts of variables, effectively read and edit data, interpret data accurately, select appropriate sampling sizes, and understand and mitigate sampling errors.
- Students will demonstrate the ability to calculate measures of central tendency.

Timing : 12:30 PM - 2:30 PM

Duration : 30 hours

Resource Person:

Dr. Sandeep Kumar

Registration Date :

05-03-2023 - 10-03-2023

Note

- Interested students can register for the course in the office of HoD MBA up to the closing hrs of 10/03/2023.
- The Course classes will be held on every Saturday from 12:30 pm to 02:30 pm w.e.f. 11/03/2023
- Students are required to maintain minimum 75% attendance for the submission of his candidature for assessment.
- Assessment will be held based on viva voce/ written/ practical examination.

Module

Basic on variable, data reading and editing, Data interpretation (2hrs), Measure of central tendency : calculation of Mean, Median and Mode (2hrs), Variance standard deviation , Range, Sample mean, variance, S.D (2hrs), Basics : Parametric testing (3hrs), Tests for mean and variance, t test (2hrs), Chi square test and test for proportions (2hrs), ANOVA (2hrs), Non Parametric hypothesis testing (2hrs), Levene's test (2hrs), Wilcoxon Sign Rank Test (2hrs), Sign test (2hrs), Kruskal Wallis one way test (2hrs), Mann-Whitney U test (2hrs), Spearman Rank correlation coefficient test and Regression test (3hrs).

For any queries related the Value Added Course, Please feel free to contact

VAC Coordinator : Ms. Manisha Sharma (9728571976)