

DEPARTMENT OF HUMAN RESOURCE DEVELOPMENT
VEER NARMAD SOUTH GUJARAT UNIVERSITY
CERTIFICATE COURSE IN SPSS

The Department of Human Resource Development offers Certificate Course in Statistical package for the social science (SPSS) of 3 months of duration. SPSS is the widely used statistical package for quantitative data analysis. SPSS is the powerful user friendly software very useful to the students and researchers of social sciences, management, marketing and many other study disciplines. Major aim of this course is to develop competency in to applied quantitative methods among students and researchers.

The Department of Human Resource Development is the leading name in Gujarat in terms of offering training programme in SPSS. The department has conducted various training programmes and workshops in SPSS. The department is also providing assistance in statistical analysis to teachers and research scholars belonging to different disciplines of Social Science, Management, Medicine and Biosciences.

Eligibility: Any bachelor with minimum 50% of marks. The department committee will admit the students on the basis of merit. The students of the department, postgraduate students and faculty will be given preference.

Medium of Instruction: English

Important dates:

Last date of registration: **December 25, 2017**

Commencement of classes: **January 1, 2018 (Monday to Wednesday Batch)**

Time slot*: 4:30 pm to 6:30 pm (Monday to Wednesday batch)

*Department will have discretion to change timing.

Total Number of Seats*: 30 (Monday to Wednesday batch)

* Department will have discretion to start batch on required number of registration

Duration of Course: 3 months or 30 sessions of 2 hours

Fees structure: INR 5000 /- plus exam fees,

INR 2000/- plus exam fees, (For the students of department and for the students, teachers or any staff serving in any constitute department of the university)

Course Content

Introduction

Introduction to different data types, Scale of measurements, classification techniques

Basics of SPSS

Data entry in SPSS, missing values, multi response

Data transformation through SPSS: selection of cases, recoding of variables, identification of duplicate cases, compute variable, visual binning, merge files

Exploratory data analysis

Frequency tables and different types of charts, measures of central tendency, measures of dispersion, distribution of data set

Parametric tests

Hypothesis, logic behind hypothesis testing, procedure of hypothesis testing, p-value

Logic and assumptions for parametric test, normal probability plot, one sample t-test, two independent sample t-test, paired t-test, one way ANOVA, two way ANOVA, post hoc test

Non parametric tests

Logic and assumptions for non-parametric tests, Wilcoxon test, Mann-Whitney U test, Kruskal Wallis H test, Run test, Chi-square test

Correlation and regression

Simple correlation, partial correlation, simple linear regression, assumptions of regression analysis, Residual analysis, multiple linear regression, curve linear regression, logistic regression

Data reduction techniques

Factor analysis, discriminant analysis, and Cluster analysis

Time series analysis

Stationary time series, Auto correlation function, partial autocorrelation, model fitting through expert modeler

Contact

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