

**NOTICE**

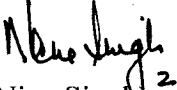
Sub: **Two days Workshop on 'Application of Statistics and Use of SPSS in Research'.**

This is for kind attention of all HODs of University Teaching Departments that Chaudhry Ranbir Singh Institute of Social & Economic Change, M.D. University, Rothak is organizing Two days Workshop on '**Application of Statistics and Use of SPSS in Research**' on August 09-10, 2018. Dr. Mukender Singh Kadian, HOD, Statistics, KUK and Prof. S.C. Malik, Deptt. of Statistics, MDU will deliver lectures during the Workshop.

The workshop is being organized for research scholars with less than 2 years of registration in Ph. D. programme. Students writing their M. Phil dissertation may also apply.

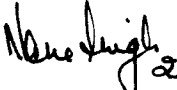
The HODs' are requested to circulate it widely and encourage students to attend it. Further, it is suggested that attendance may be given to those students who are willing to attend the Workshop. If agreed, the Institute shall supply their attendance to the respective Department.

Interested students are required to submit a hardcopy of the registration form (copy attached) duly forwarded by the Department in Ch. Ranbir Singh Institute of Social and Economic Change by 7<sup>th</sup> August, 2018, positively. There is no Registration charge. Copy of the registration form can also be downloaded from the University Website.

  
(Nina Singh) 23.7.18  
Director

Endst. No. CRSI/2017/ 327 - 375 dated 23.7.2018

The copy of the above is forwarded to All HODs of University Teaching Departments for further necessary action please.

  
Nina Singh) 23.7.18  
Director

# **Chaudhry Ranbir Singh Institute of Social and Economic Change**

## **'Application of Statistics and Use of SPSS in Research'**

**Date: 9-10 August, 2018**

**Workshop course content**

**Sessions: Six sessions of 90 minutes each**

SPSS and file formats that are commonly used for structured data:

- spreadsheets from MS Excel or Open Office;
- plain text files (.txt or .csv);
- relational (SQL) databases;
- Stata and SAS.

**What SPSS can do? How?:**

### **Introduction of SPSS**

- Opening data files, either in SPSS' own file format or many others;
- editing data such as computing sums and means over columns or rows of data and other more complex operations.
- creating tables and charts containing frequency counts or summary statistics over (groups of) cases and variables.
- running inferential statistics such as ANOVA, regression and factor analysis.
- saving data and output in a wide variety of file formats.

**Thrust on:**

Entering variables, labeling variables, labeling values, entering string variables, transformation of variables, exporting and importing data files from other packages, recoding data computing functions (creating new variables), weight cases

Formats Export of the data

## **Inferential Statistics**

### **Basic Statistical Tests and Multivariate Analyses using SPSS, such as**

- t tests
- Chi-square tests
- ANOVA
- Correlations and other association measures
- Regression
- Nonparametric tests
- Factor analysis
- Cluster analysis
- Discriminant Analysis

**(In each case the focus areas: Experimental design, Level of data, Type of test, Function and What the test does?)**

**Graphical Representation of Data-** Bar Charts, Stacked Bar Histogram, Line diagram, Pie diagram, Box Plot, Stem-and-leaf diagram.



## Maharshi Dayanand University Rohtak

### Two Days Workshop on “Application of Statistics and Use of SPSS in Research”

Organised by

**Ch. Ranbir Singh Institute of Social & Economic Change  
August 09-10, 2018**

Venue: Swaraj Sadan

**Last date of applying: 07 August, 2018**

#### REGISTRATION FORM

The workshop is open for students of M.D. University only.

Name			
Father Name			
Affiliation (Department) Roll No./ Regn. No.			
Current Status: - whether pursuing M.Phil./Ph.D			
Date of Ph. D. registration			
Gender (Put a tick mark)	Male	Female	
Category (Put a tick mark)	SC	OBC	GENERAL
Contact Details	Mob:	Email:	
I hereby submit my application form recommended of Research Guide and Head of the Department.			
Place:			
Date:			
(Signature of the applicant)			

Recommendations:

Signature of the Research Guide  
(Name, Address & Seal)

Signature of the Head of Department  
(Name, Address & Seal)