



Student National
Symposium IR 4.0
Presented by



3rd Student National Symposium

SNSIR 4.0 Webinar

Organized by Department of Information
Technology

University of Technology and Applied
Sciences, Muscat



جامعة التقنية والعلوم التطبيقية
University of Technology and Applied Sciences
الكلية التقنية العليا
Higher College of Technology

WORKSHOP -3

Workshop Title : SPSS for Numerical Analysis and its Utility in Interpretation of Quantitative Data in Research

Speaker : Dr. R. Suresh, Professor, Dept. of Mathematics

College : Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai

Abstract : SPSS Statistics is considered as one of the most widely used computer packages of the modern times for statistical analysis to organize, interpret, and present the results of research at a high level. It finds wide applications in different disciplines such as Healthcare, Social Sciences, Market Research, Educational Research, Data Mining, Economics, Psychology, Bio Sciences and several others. SPSS comes with many remarkable features and options mostly organized in pull-down menus and graphical user interfaces. For advanced and complex calculations, SPSS provides programming options through a built-in syntax editor. This workshop aims to introduce the fundamentals of SPSS and related features and in particular how to code raw data of a new data-set, perform quantitative analysis, interpret, and report the results. The format of the workshop is instructor-led with hands-on practice on a set of pre-designed exercises.

Key Contents of the workshop

- SPSS structure, interface, and windows platform.
- Define the data-set variables and their attributes.
- Import data to SPSS to create data-sets.
- Perform data manipulation and transformation of data.
- Descriptive statistics and frequencies.
- Data distributions and central tendencies: mean, mode, and median.
- Dispersion of data: range, variance, standard deviation, skewness, kurtosis, percentiles, and interquartile.
- Generating and analyzing basic graphical presentations.
- Constructs and scales of measurement.

Speaker's Profile

Speaker Name : Dr. R. Suresh, Professor, Dept. of Mathematics
Experience : 14 Years

Ph.D Thesis Title : Global Chaos Synchronization of Chaotic and Hyperchaotic Systems using Nonlinear and Backstepping Control.

M.Phil Dissertation : Controllability of impulsive neutral Functional Differential Inclusions with Infinite Delay in Banach Spaces.

Guidance of Ph.D : 5 scholars completed

Area of Research : Differential Equations

No. of Publications : 66

International Conferences : 27

National Conferences : 26

Guest Lecture / Workshop : 14

Membership:

1. International Association of Computer science and Information Technology, Mem. No: 80340554.
2. International Association of Engineers (IAENG), Mem. No., 189418.



**Dr. R. Suresh, Professor,
Dept. of Mathematics**

Workshop Date: 27th May 2021