



# St. Joseph's College of Engineering and Technology

## REPORT ON TWO DAYS WORKSHOP ON SPSS AND TORA -2023

<b>Name of the Event</b>	: Two days workshop on SPSS and TORA-2023
<b>Organizing Department</b>	: MBA
<b>Coordinator</b>	: Mr.C.Vinodkumar, AP/MBA
<b>Date of the Event</b>	: 13.03.2023 & 14.03.2023
<b>Targeted Audience</b>	: 1 <sup>st</sup> year MBA students
<b>No. of Participants</b>	: 41
<b>Venue</b>	: Main Seminar Hall, SJCET

### PROGRAMME DETAILS:

#### INTRODUCTION

The goal of this workshop was the training of existing methodologies and tools for predicting the Decision Making. The training included the following topics:

- The programming environment SPSS & TORA.
- A statistical method to estimate the
- Statistical models for predicting the Data Set

#### LOCATION AND PERIOD OF THE WORKSHOP

The workshop was held at the ECE System Lab from 13th March 2023 to 14th March 2023.

#### OPENING

The overall goal of the training workshop was to introduce the SPSS & TORA to estimating the data sets. Additionally, the training gave insight in estimating the decision making. The resource person in charge was Prof.Dr.S.VENKATESAN, Faculty of Engineering and Technology, Sri Ramachandra Institute of Higher Education & Research,(DU) Chennai.

The training workshop was opened at 9:30am with a welcome address by Prof.A.Manikandan B.E.,MBA, Head of the Department. The Chief Guest Introduction was given by Prof.C.Vinodkumar and an Presidential address was given by P.Sathiskumar, Training and placement officier in the Seminar Hall. Finally he wished all participants a good and successful training workshop.

### WORKSHOP SESSIONS AND DISCUSSION

Time	DAY -1(13.03.2023)
	<b>Statistical Concepts and its Application</b>
10.00 - 10.40 AM	Population and Sample, Sampling Techniques, Sample size calculation, P value, Parametric and Non-parametric test, Interpretation. Enter your data a data file, Descriptive Statistics, Dispersion, Graphing the data.
10.40 - 11.00 AM	<b>BREAK</b>
	<b>Testing of Hypothesis - Parametric Analysis</b>
11.00 - 1.00 PM	Single Population, Two mean (Dependent sample), Two mean (Independent sample) Multiple mean (ANOVA) – Hands on.
1.00 - 2.00 PM	<b>LUNCH BREAK</b>
	<b>Testing of Hypothesis – Non Parametric s</b>
2.00 - 3.30 PM	Chi-square test, Single Population, Two mean (Dependent sample), Two mean (Independent sample) Multiple mean (Kruskal-Wallis). – Hands on.
3.30 - 4.20 PM	Correlation analysis, Regression analysis – Hands on

Time	DAY – 2 (14.03-2023)
	<b>Forecasting Method</b>
9.30 - 10.40 AM	Time series analysis – Hands on
10.40 - 11.00 AM	<b>BREAK</b>
	<b>Transportation Problem</b>
	North west Corner cell method, Least cost cell method, Vogel’s Approximation method – Hands on
1.00 - 2.00 PM	<b>LUNCH BREAK</b>
	<b>Analysis of Risk &amp; Models</b>
2.00 – 3.40 PM	Risk Analysis & Sensitivity Analysis , Networking Models, Queuing theory problem, Inventory problem – Hands on

## PHOTOS



**Figure 1: Welcome address by Prof Mr. A. Manikandan, HOD/MBA**



**Figure 2 : Shawl by P.Sathiskumar, Training and Placement coordinator.**



**Figure 3 : Memento by Ms. R. Shantha Sheela, AP/MBA**



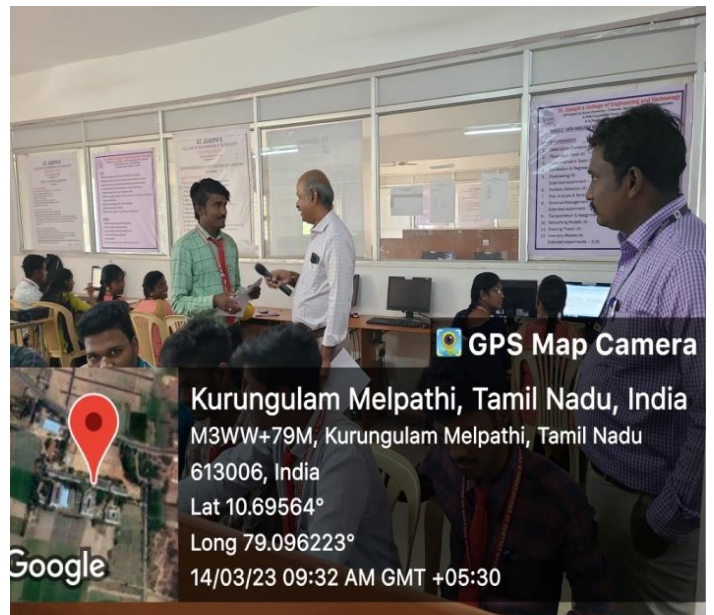
**Figure 4 : Presidential Speech by P.Sathiskumar, Training and Placement coordinator.**



**Figure 6: Training Session for 1<sup>st</sup> MBA students on DAY 1 (13.03.2023)**



**Figure 7 : Training Session for 1<sup>st</sup> MBA students on DAY 2 (14.03.2023)**



**Figure 8 : Feedback by Mr R. Perumal, 1<sup>st</sup> MBA**

## CLOSING

Prof.Mr.A.Manikandan, thanked all the participants and the Resource person. He officially closed the workshop around 4:00 p.m.

**HOD**

**IQAC Co-ordinator**

**PRINCIPAL**