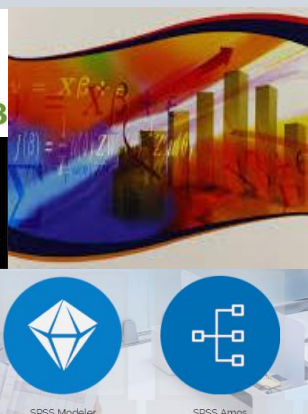




Faculty Development Programme (FDP) on Research Methods and Data Analysis Tools in Business Applications

29th April – 4th May, 2019



Department of Management Studies

J.C. Bose University of Science and Technology

NH-2, Sector-6, Mathura Road, Faridabad- 121006

Haryana (INDIA)

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About the University

J.C. Bose University of Science and Technology, YMCA, Faridabad (erstwhile YMCA University of Science and Technology, Faridabad erstwhile YMCA Institute of Engineering, Faridabad) was established in the year 1969, as a joint venture of the National Council of YMCAs of India, Govt of Haryana, and the Central Agencies for Development Aid, Bonn, Germany. It started as an Indo-German project with an aim to impart technical education to a developing India on German pattern. The labs & workshops have been setup with the assistance of German expertise. In 1996, State Govt. of Haryana took complete control of the Institute and upgraded it to University status in Dec. 2009. The university offers four year B.Tech degree course in various disciplines.

The university added Faculty of management studies in the year 2008 with course of MBA having specializations in IT, Operations and Power Management. The course was meant for technical graduates only. Since 2011, the MBA course has been opened for all graduates.

About the Department

With a view to augment the growth of a mixed blend of entrepreneurial and managerial manpower as per the current need of the industry and to provide the opportunity to graduate students to explore themselves and to develop the skills to conquer their field and excel in their dreams, now the department offers the courses Ph.D. (Management), MBA I (HR, Finance and Marketing), MBA II (Retail, E Commerce, Tourism, Supply Chain) and BBA (General).

Vision

- To build aspiring managers and entrepreneurs possessing good analytical skills and leadership qualities for effective decision making to contribute to the society and the nation.

Mission

- To provide learning environment to young aspirants by introducing innovative industry based curriculum.
- To educate effective managerial skills for transformation of raw minds into effective managers and entrepreneurs.

About QTanalytics™

QTanalytics™ is a statistical consulting, training and education provider with a bright and experienced team of professionals, who consistently strive to achieve a common goal of service excellence. Our team have been helping the clients (India & Overseas) in finding statistical data solutions, both general as well as specialist research services for data processing, reporting & advance analytics with the application of **suitable econometric models**. QTanalytics caters to the need of institutions, students and professionals industries for training in Quantitative analysis with computer software skills on topics **From designing research proposal to setting hypothesis and data analysis and modeling with appropriate procedure on R, SPSS, EXCEL, AMOS, STATA, EViews and SAS software.**

Objectives of the Programme

Research is nothing but search for knowledge or any systematic investigation to establish facts on a related subject. It is about searching systematically for solutions to problems. Statistical device not only provides a way of summarizing the data into quicker and manageable information but also helps the researcher to make decisions about whether relationships between two or more variables are real ones. To address challenges and opportunities in the field of research new software products SPSS & EXCEL has enabled academicians and researchers to obtain valuable information from the data. Basic knowledge on software is vital for all users before they proceed to survey and data analysis.

This Faculty Development Program (FDP) is aimed at honing the teaching and research skills of faculty, researchers and trainers. It will inculcate confidence in the usage of data analysis tools. Training on Statistical Packages SPSS & Excel would greatly enhance research and publication skills of the faculty, Research Scholars and others.

Major Topics

The Scope of workshop is to cover theoretical discussion on Research methods and practical exposure on the following aspects of data analysis using SPSS & EViews.

- ❖ Types of Research, Sampling and Research Design
- ❖ Construction of Questionnaire, Scaling techniques
- ❖ Basic operation of SPSS; Descriptive Analysis, plotting charts
- ❖ SPSS: Correlation & Regression-I & II, Testing of Hypothesis-I & II
- ❖ Time Series analysis, estimating equations and Interpretations using EViews

For Whom

- ❖ Faculty Members, Academicians and Research Scholars in their respective fields.

Resource Persons

The resource persons are prominent statisticians / scientists / professors / researchers / scholars in the field of statistics and data science. They have an extensive experience with the application of statistical analysis in a research evaluation.

Key Information

- ❖ **Venue:** Department of Management Studies, J. C. Bose University of Science and Technology, Faridabad (Haryana)-121006
- ❖ **Duration:** One Week (29th April - 4th May, 2019)
- ❖ **Registration-** Online Registration: [Click here](#) Rs.4500/- for Faculty & Academicians
Rs.3800/- for research scholars
- 1) Only limited seats are available, therefore registration shall be made on “first come, first serve” basis. *Please note that no refund of fees shall be made later on.*
- 2) The participants must bring their own laptop with them.
- ❖ **Certificate of Participation-** All participants will receive ‘Certificate of Participation’ after successful completion of the programme.
- ❖ **Payment Mode-** Registration fees can be paid with using UPI/NEFT/Payment Gateway



Beneficiary: QTanalytics India
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Note: Participants are requested to bring UTR No. of NEFT transactions on the first day of the programme.

For Further Information Please Contact

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Faculty Development Program (FDP)

On

Research Methods and Data Analysis Tools in Business Applications

29th April – 4th May 2019

Program Schedule

Time	9:30 – 1:00 PM <i>Pre-lunch Sessions</i>		1:45 – 5:00 PM <i>Post-lunch Sessions</i>				
Day & Date	9:30 – 11:00 AM	<i>Tea Break</i>	11:30 – 01:00 PM	<i>Lunch Break</i>	1:45 – 3:15 PM	<i>Tea Break</i>	3:30 – 5:00 PM
Monday 29.04.2019	Inaugural & Introduction to Research		Research Design, Data Collection and Sampling Techniques		Writing Research Proposals		Plagiarism & Citation
Tuesday 30.04.2019	Excel: Introduction & Basic applications		Excel: Data Filter, sort, Advanced filter using Pivot tables		Excel: Financial Modelling		Excel: Financial Modelling
Wednesday 01.05.2019	Introduction to SPSS: Defining variables, cases, handling missing		Basic operation of SPSS; Descriptive Analysis;		SPSS: Plotting charts		SPSS: Practice Session
Thursday 02.05.2019	SPSS: Correlation & Regression-I		SPSS: Correlation & Regression-II		SPSS: Case Analysis		SPSS: Practice Session
Friday 03.05.2019	SPSS: Testing of Hypothesis (t, F, Z & Chi-square)		SPSS: ANOVA, ANCOVA, MANOVA, MANCOVA		SPSS: Case Analysis		SPSS: Practice Session
Saturday 04.05.2019	Group presentations by participants		Group presentations by participants		Group presentations by participants		Valedictory Function

(Organizing Committee)