



JIWAJI UNIVERSITY, GWALIOR

School of Studies in Management

Seven Day FDP on Research Methodology in Management and Data Analysis Using

SPSS

May 02-08, 2016

About Workshop

Data is all around us. The challenge is to meaningfully transform it into information and knowledge that finally dawns on us as wisdom. Evolution of every field of knowledge is proportionate to its investigation, in all direction, to know the core and its interdependencies with other disciplines. Further, all disciplines are attempting to bring wellness to human being. Again, how much each of it contributes in adding knowledge, is incumbent upon the efforts it has invested in learning the context better.

Management is not aloof to this journey. It was a challenges to make new form of human organizations more efficient and effective in order to make them more productive in meeting the ends for which they have been created. Systematic and scientific exploration of the issues help the discipline to reach the place where it is today.

The proposed workshop of seven days is an attempt to hone the skills of young researchers to understand the day to day issues faced in management sphere in a more logical way in order to sustainably resolve them and further the boundaries of the discipline as well. The workshop will be using suitable interventions like usage of Excel, SPSS, AMOS and others to further the participants' statistical package usage skills as to formulate, investigate and resolve the issues being faced by management professionals.

Objectives

Specifically the workshop aims at developing competencies among participants concerning :

- Formulation of research problem;
- Identification of research gap;
- Setting research design;
- Selecting tools for data analysis;
- Application of tools for data analysis;
- Interpretation of results;
- Reporting results;
- Understanding and using reference styling.

For Whom

The workshop is designed for teachers and people serving in various walks to life who wish to learn research methodology and data analytics tools.

Programme Schedule:

<p><i>May 02, 2016</i></p> <ul style="list-style-type: none">● Preparing for research and review of literature<ul style="list-style-type: none">○ Research – What is it?○ Theory building○ How to conduct a review of literature?○ How to set objectives of research?○ How to create research questions?○ How to identify research gaps?○ How to use e-resources available at Jiwaji University?○ Research design	<p><i>May 03, 2016</i></p> <ul style="list-style-type: none">● Data collection<ul style="list-style-type: none">○ Primary and Secondary data○ Measurement and scaling● Introduction to statistics<ul style="list-style-type: none">○ Software packages – Excel, SPSS, R and others○ Measure of central tendency○ Variability and Shape● SPSS – Introduction<ul style="list-style-type: none">○ Data entry○ Creating tables in SPSS○ Describing data with the help of SPSS○ Related functionalities of SPSS
<p><i>May 04, 2016</i></p> <ul style="list-style-type: none">● Hypotheses testing<ul style="list-style-type: none">○ From research question to hypotheses○ Sampling distributions○ Crafting of hypotheses○ Types of hypotheses○ How to set alternate hypotheses○ Level of significance○ Testing process○ Prevailing practices of writing hypotheses in international papers● SPSS<ul style="list-style-type: none">○ Descriptive Statistics – Using frequencies, descriptive, explore, crosstabs functions○ Compare means – Means test, one-sample t-test, independent sample t-test, summary independent sample t test, paired sample t-test, ANOVA	<p><i>May 05, 2016</i></p> <ul style="list-style-type: none">● Reliability and validity● SPSS<ul style="list-style-type: none">○ General linear models – Univariate and multivariate○ Factorial ANOVA – Interaction effect○ Covariate○ Correlation – Bivariate, Partial and Canonical○ Regression

<p>May 06, 2016</p> <ul style="list-style-type: none"> • SPSS <ul style="list-style-type: none"> ○ Multivariate Regression ○ Regression with dummy variables ○ Measuring interaction effect in regression ○ Principal Component Analysis ○ Factor analysis 	<p>May 07, 2016</p> <ul style="list-style-type: none"> • SPSS <ul style="list-style-type: none"> ○ Cluster Analysis ○ MDS ○ Logistic Regression
<p>May 08, 2016</p> <p>Hands on research paper preparation – setting objectives, research question, hypotheses and its testing.</p>	

<p>Fee: Rs. 2000/- (To be deposited online/university fee counter)</p>	<p>Seats: Seats are limited. Wait for a confirmation mail to be sure of your registration for the event.</p>
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About Jiwaji University

Jiwaji University Gwalior is a NAAC accredited ‘**A**’ Grade University that came into existence on May 23, 1964, through M.P. Govt. Ordinance no. 15 of 1963. Late Dr. Sarvapalli Radhakrishnan, the then President of India, laid the foundation stone on 11th December 1964 at a sprawling campus of over 225 acres of land at Naulakha Parade ground. This was a generous contribution of Scindia family, in particular Kailashwasi Maharaja Shrimant Jiwaji Rao Scindia and late Rajmata Shrimati Vijayaraje Scindia. The institution was christened after the name of Kailashwasi Shrimant Jiwajirao Scindia as a standing memorial to his persona. The motto of the university is embedded in its logo **Vidyaya Prapyate Tejah**.

Patrons

Prof. Sangeeta Shuka, Vice Chancellor, Jiwaji University, Gwalior

Prof. R.J. Rao, Rector, Jiwaji University, Gwalior

Prof. Anand Mishra, Registrar, Jiwaji University, Gwalior

Advisors

Dr. D. C. Tiwari	Dr. Rajeev Jain	Dr. Renu Jain
Dr. Umesh Holani	Dr. J. N. Gautam	Dr. R.P. Pandey
Dr. S. K. Shukla	Dr. A. P. S. Chahuhan	Dr. R. A. Sharma
Dr. A. K. Singh	Dr. Y.K. Jaiswal	Dr. Rekha Bhadoria
Dr. O.P. Mishra	Dr. Radha Tomar	Dr. S.K. Dwivedi
Dr. D.N. Goswami	Dr. Ashok Sharma	Dr. K.S. Thakur
Dr. Suvijna Awasthi	Dr. Hemant Sharma	Dr. S.K. Gupta
Dr. Rajender Singh	Dr. Mahendra K. Gupta	Dr. Sanjay Kulshrestha

Dr. Mukul Telang		
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Resource Person

Prof. Yogesh Upadhyay

Dean, Faculty of Management,
Head, School of Studies in Management,
Jiwaji University, Gwalior

Coordinators

Coordinator Prof. Yogesh Upadhyay School of Studies in Management, Jiwaji University, Gwalior (M.P.)	Co-Coordinator Prof. S.K. Singh Dean, Faculty of Commerce, Jiwaji University, Gwalior (M.P.)	Co-Coordinator Dr. Swarna Parmar, School of Studies in Management, Jiwaji University, Gwalior (M.P.)
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