

National Faculty Development Programme

INTRODUCTION

Good Academic Research is very critical for the economic and social development of the society. It is also critical for the enrichment of the mission of our universities.

IQAC Cell of SPB English Medium College of Commerce, Surat and Indian Accounting Association, South Gujarat Branch jointly organised One Week National Faculty Development Programme on “Research Methodology with SPSS” from 27th February, 2017 to 4th March, 2017 to facilitate the participants to equip themselves with research methodology with the aid of statistical software of Statistical Package for the Social Sciences (SPSS).

The focus of the NFDP was to enhance the research effectiveness and efficiency of Faculty Members & Research scholars and thereby furtherance of the quality of research output. The workshop was framed to provide an interactive platform to the researchers to enhance understanding of advance statistical techniques as well as providing hands-on experience in analyzing data using latest versions of SPSS including AMOS for statistical analysis.

The programme was attended by 50 participants out of whom 7 were external participants (all over India) 43 local participants. Participants included Research Scholars & Academicians form varied background. While designing the structure of the programme it was kept in mind that there are going to be people from different background that's why emphasis was given on research methodology as a whole not pertaining to one single field so that maximum can be benefitted out of it. 2 high tea (Morning & Evening) and Lunch was provided to participants daily and one kit with pen-drive including SPSS software was issued to each participant at the time of the registration.

OBJECTIVES

The major objectives kept in mind while framing this Faculty Development Programme were as follows:

- To understand what is research.
- To understand how to do review of literature.
- To make participants familiar with techniques for different research approaches.
- To understand the application of right tools and techniques while conducting a research.
- To understand the use of SPSS in data analysis.
- Enhance the Analytical Skills.
- Facilitate researchers in writing research work.

Day 1 : 27th February, 2017

Inauguration Function:

The One Week National Faculty Development Programme was inaugurated by the Chief Guest Dr. Dakshesh R. Thakar, Hon. Vice Chancellor, VNSGU and CA Shri C.S. Jariwala, First Vice Chairman, SES with the lightning of lamp followed by Prayer song. Later the Chief Guest was formally welcomed by the Principal, Dr. V.D. Naik by presenting a book as a token of gratitude on behalf of our College. Thereafter the Chief Guest addressed the Participants with some life-long learning necessary to succeed and a few examples of certain reality which he has seen in his

academic career. His spellbinding oratory motivated the participants to get the best from this seven day workshop.

Other distinguished guests present at the inaugural function were Mr. J.M.Nayak, Dean of Commerce faculty and Principal of N.H.Shah College, Dr. K.N. Chavda, Principal, Amroli College and Chairman of South Gujarat Branch of IAA. The inaugural function came to an end with the vote of thanks followed by National Anthem.

Pre Lunch Session:

Resource Person - Dr. Vendant Pandya, Associate Professor of Management, M.K. Bhavnagar University

The very first day Dr. Vendant Pandya explained what is research □ He connected things starting from the rig Vedas to the modern philosophy of doing research. The second issue which he emphasised on was the collection of data and sample size.

Post Lunch Session:

Resource Person - Dr. Gaurang Rami, Professor, Department of Economics, VNSGU, Surat.

On the same day the post lunch session was conducted by Dr. Gaurang Rami, professor of Economics, VNSGU. Parametric test, on what type of data parametric test can be applied or used and how to calculate sample size, how to test normality of the data, t-test and its types were the issues focused by him.

Day 2: 28th February, 2017

All Sessions :

Resource Person: Prof. (Dr.) Sanket Vij, Professor -Department of Management Studies, Chairperson - Department of Commerce, Director – UGC Human Resource Development Centre (ASC), Coordinator – NAAC, Member - Academic Council, Member – Court, and Member of various prominent committees at Bhagat Phool Singh Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat, Haryana (BPSMV)

Prof. (Dr.) Sanket Vij was the resource person for the second day. The first session started with the ice breaking session in which the participants were asked to give their introduction. The session was carried forward discussing the various techniques for review of literature, various sources for data collection. In the second session he emphasized on the various techniques for data changing, data cleaning and data transformation. After lunch, Prof. Vij detailed the participants about the hypothesis testing. He emphasized on the concepts like outliers, normality tests and how the hypothesis have to be tested. He also discussed on correlation and regression techniques.

Last but not the least when the house was open for questions the academicians were keen to ask and with the same level of enthusiasm they were justifiably answered by professor.

Day 3 : 1st March, 2017

Pre Lunch Session:

Resource Person - Dr. Jayesh Desai, Incharge Principal, BRCM College, Surat.

Prof. (Dr.) Jayesh Desai was the resource person of the Pre Lunch session. He started with the types of scale – nominal ordinal interval and ratio and discussed the different types of test which

can be applied depending upon the type of data and scale we use. He then highlighted the on the concept of Non-parametric test and its application.

Post Lunch Session:

Resource Person - Dr. Gaurang Rami, Professor, Department of Economics, VNSGU, Surat.

Post lunch session was conducted by Dr. Guarang Rami. He gave an insight on the concept of regression. He threw light on the assumptions of regression and the steps of regression.

Day 4 : 2nd March, 2017

Pre Lunch Session:

Resource Person - Dr. Gagan Sahu, Centre for Social Studies, Surat.

Prof. (Dr.) Gagan Sahu was the resource person of the Pre Lunch session. He explains the methods of analyzing the relationship between two quantitative variables. He discussed that the most commonly used techniques for investigating the relationship between two quantitative variables are correlation and linear regression. He stated that correlation quantifies the strength of the linear relationship between a pair of variables, whereas regression expresses the relationship in the form of an equation.

He then highlighted the on the concept of correlation and regression. He explained that correlation is a measure of association between two variables. The two most popular correlation coefficients are: Spearman's correlation coefficient rho and Pearson's product-moment correlation coefficient. When calculating a correlation coefficient for ordinal data, select Spearman's technique. For interval or ratio-type data, use Pearson's technique. After performing an correlation analysis, the regression statistics can be used to predict the dependent variable when the independent variable is known. Regression goes beyond correlation by adding prediction capabilities.

Post Lunch Session:

Resource Person - Dr. Prashant Joshi, Dean, Faculty of Management, Uka Tarsadia University, Bardoli.

Post lunch session was conducted by Dr. Prashant Joshi. He gave an insight on the concept of time series analysis. He threw light on the applications and techniques like moving average and smoothing techniques.

Day 5 : 3rd March, 2017

Pre Lunch Session:

Resource Person - Dr. Heena Sunil Oza, Associate Professor, SPB English Medium College of Commerce, Surat.

Prof. (Dr.) Heena S. Oza was the resource person of the Pre Lunch session. The topic covered by her was on Sources of Information for Researchers. She emphasized on the methods of the collection of data. According to her the two sources of data collection are the primary and the secondary sources and one has to choose among the two in accordance to the question which has been framed. She emphasized on the framing of the research question and held it to be the fundamental and initial step to do research. She made the session interactive and based on various examples for better understanding of the participants. Last but not the least when the

house was open for questions the participants were keen to ask questions especially the fresher to research work and with the same level of enthusiasm they were justifiably answered by professor.

Resource Person - Dr. Kiran Pandya, Professor and Head, Department of HRD, VNSGU, Surat

The next session of the FDP started with Dr. Kiran Pandya on a very high note. He started with that a research starts with a theory followed by literature review formation of hypothesis and finally collection of data.

Further in his session he explained how a researcher has to choose and go about the literature review. Next topic in his session was how to approach the literature. He explicitly stated that while surveying the literature a researcher must start with the data available on the respective topic and check the dominant theories in that area of research. The top journals, cited papers leading associations and important conferences act as a lot of input to the researcher's literature. He concluded stating the importance and purposes of literature review.

Post Lunch Session:

Resource Person - Dr. Ms. Smruti Bulsari, Department of HRD, VNSGU, Surat

Post lunch session was conducted by Dr. Ms. Smruti Bulsari. She delivered expert sessions on Factor Analysis using SPSS. Dr. Bulsari took sessions on Exploratory Factor Analysis, Confirmatory Factor Analysis, Difference between Exploratory and Confirmatory Factor Analysis, Determining Validity and Reliability of Scale using CFA, Cronbach's alpha: a coefficient of internal consistency, etc on SPSS software.

She also explained the topics on Cluster Analysis. Dr. Bulsari took various examples and gave all the participants hand-on practice on their laptops. All the queries were resolved by the expert. She then gave an insight on the ways to write the analysis of result which is being produced by the software. He explained in depth the techniques like Factor Analysis and Cluster Analysis.

Day 6 & 7 : 4th March, 2017

Pre Lunch Session:

Resource Person - Dr. Bhavesh Vanpariya, Professor, Department of HRD, VNSGU, Surat.

Prof. (Dr.) Bhavesh Vanpariya was the resource person of the Pre Lunch session. The topics which he covered were Structural Equation Modelling (SEM), Discriminant Analysis and Reliability and Validity concepts. Dr. Vanpariya took case study and made all the participants to work live on their laptops. All the queries were resolved by the expert very thoroughly. He also gave the insight on the ways to write the analysis of result which is being produced by the software (AMOS). The complete revision of SEM with Case Studies on Arya India Ltd. Employee Retention Study (Practical sessions) by working on SEM (in AMOS).

Valedictory Function

On seventh day post lunch certificates were distributed to the participants. Shri Kamlesh Yagnik, Second Vice Chairman, SES Dr. Hemaliben Desai, Principal, Rofel Arts & Commerce College, Vapi & Dr. K.N. Chavda, Principal, Amroli College and Chairman of South Gujarat Branch of IAA. honored the participants with the certificates. Vote of thanks was delivered by Professor Dr. P.K.Chakraborty. Finally participants were asked to come on the dice and share their experience and learning of the whole NFDG Programme. The programme was concluded with National Anthem and Happy Note from everyone.

One Week National Faculty Development Programme



Registration Desk



Lighting of Lamp



Address by Honorable Vice Chancellor,
Dr. Dakshesh Thaker



Dignitaries on the dias



Sessions by Experts

One Week National Faculty Development Programme



Participants of NFDPP



Participants Of National Faculty Development Programme



Distribution of certificate to College Faculties