

Shri Ram College, Muzaffarnagar

NOTICE

Dated: 15/02/2016

Shri Ram College is committed to gear-up and prepare the faculties for the research work and in this context a Professional Development Program on "Research Methodology: Tools And Techniques" of eight day duration is going to be organized from 07/03/2016 to 14/03/2016.

It will be organized for all the faculties of SRC and other colleges of the group, all interested members are expected to give their name the program.

The following Faculty & Staff coordinators have been selected for conducting the event.

- | | |
|---------------------------|-------------------------|
| 1. Dr. Ashfaq Ali | : Programme Coordinator |
| 2. Dr. Vijay Kumar Sharma | : IQAC Coordinator |
| 3. Dr. Nishant Rathi | : Member |
| 4. Dr Roupal Malik | : Member |

To,

All HoDs



(Dr. D.S. Rawat)

Principal

CC to

1. Executive Director, SRGC
2. All Directors of SRGC institutions



(Dr. D.S. Rawat)

Principal



Principal

Shri Ram College
Muzaffarnagar



Co-ordinator
IQAC, Shri Ram College,
Muzaffarnagar

Shri Ram College, Muzaffarnagar

Report

on

Eight-Day Professional Development Program


on

RESEARCH METHODOLOGY: TOOLS AND TECHNIQUES

(7 March to 14 March 2016)

The Department of Commerce, Shri Ram College, Muzaffarnagar conducted an Eight-day professional development program on "Research Methodology: Tools and Techniques" from 7/3/16 to 14/3/16. The core objective of the program cum workshop was to equip the research scholars and faculties with set of skills and potentiality to undertake the research very effectively in the disciplines of social science and to turn completed research into publishable material of high quality in the form of articles, journals and books. This program is designed in the form of a workshop to offer the practical guidelines and direct the researchers & faculties through all the stages of research from identifying a research problem to the submission of a dissertation, report writing and research article. The course intends to deal with variety of quantitative and qualitative research methods used in social science researches. It also gives exposure to data analysis with the help of software packages. The workshop consists of both theory and practical. By the end of programme they are expected to develop conceptual clarity and practical


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knowledge to undertake quality research and writing good research papers field-reports and project proposals etc. The information available for decision making exploded in recent years, and will continue to do so in future, probably even faster. Some of the information can be analyzed and understood with simple statistics, but much of it requires more complex, multivariate statistical techniques to convert these data into knowledge. Multivariate analysis techniques are popular because they enable organizations to create knowledge and thereby improve their decision making. Multivariate techniques are extension of univariate analysis and bivariate analysis.

OBJECTIVES OF WORKSHOP

To help those who are pursuing / about to register themselves for Ph.D. degree

To help teachers of UG and PG programs in management and engineering institutes

To impart knowledge of tools and techniques of decision making to Ph.D. scholars of various management and engineering institutes.


To establish and strengthen links with research institutes and organizations working in the area of market research.

To provide a platform for assembling the researchers, academicians and experts to exchange and deliberate upon the vital paradigms, methodologies of conducting research

RELEVANCE OF WORKSHOP

Research is an integral part of higher education and is increasingly growing in eminence in terms of its relevance not only in technology but also in business and social spheres. Research unlocks the potent ways to resolve problems or to utilize inherent opportunities. Therefore, knowledge and practical exposure to research methodologies and the statistical tools are necessary for the concerned researchers


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and academicians. However, state of awareness and expertise in research among the said groups is far below the satisfactory level. In view of the above, there is a dire need to propagate and disseminate the knowledge of conduction quality research.

NUMBER AND LEVEL OF PARTICIPANTS

The proposed Workshop envisages participation of thirty five participants. It is primarily meant for the Faculty Members and Researchers from Management, Social Sciences, Economics and Engineering Streams of Higher Education Colleges/ Institutions/ Universities. Apart from this, Industry Professionals, Social Activists, Government Officials and other stake holders from different walks of life are also intended to be enlisted as participants.

The workshop commenced, after the registration of participants, introductions and Inaugural function.

The Workshop:

The workshop opened with a formal Inaugural session at 10.00 am. The workshop was inaugurated by the gracious guests Hon'ble SRGC Chairman, Dr. S.C. Kulshrestha by lighting the lamp. It was more cordial being accompanied by Deans and Heads, other Professors and teaching faculties of different departments Shri Ram College.

The workshop continued between 10:00 to 5:00 pm with tea and lunch breaks. The technical sessions of first day to last day are following included different segments.

Day 1 Session – 1

Speaker: Dr. Aditya Gautam

Research Problem Definition


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➤ Types of Research

- Exploratory
 - Literature Survey
 - Experience Survey
 - Study of insight simulating survey
 - Conclusive Research
 - Descriptive
 - Experimental
 - Modelling
 - Symbolic Model
 - Mathematical Model
 - Simulation Model
 - Algorithmic
- Review of Literature
- Draw/ Choose the Research Topic

Day 1 Session – 2

➤ Objective of Research

- Research Questions
 - Purpose
 - Place
 - Presentations
 - Means- How
- Hypothesis Generation
- Scope/ Limitation of the Study

Day 2 Session – 1

Speaker: Dr. Mukul Jain, Asst. Prof. Indraprastha Institute, Ghaziabad

➤ Research Design

- Selection of Research Approach
- Design of sampling Plan
- Design of Experiment
- Design of Questionnaire

Day 2 Session – 2

➤ Attitude measurement and scales

- Data Collection


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- Types of Scale
- Scaling Respondents

Day 3 Session -1

Speaker – Dr. Anil Gupta. (Retd, Principal), SDPG College Muzaffarnagar

- Statistical tools for data interpretation-1
 - Hypotheses testing and interpretation
 - One tailed
 - Two tailed
 - Chi squares

Day 3 Session – 2

Speaker - Dr. K.G. Arora (Asst. Prof.), SDCMS Muzaffarnagar

- Statistical tools for data interpretation-2
 - Parametric Test
 - t- test
 - f- test
 - z- test

Day 4 Session – 1


Speaker– A.W. Farooqui, Delhi University

- Statistical tools for data interpretation-3
 - Non Parametric Test

Day 4 Session – 2

Speaker– A.W. Farooqui, Delhi University

- Report writing and presentation
 - Types of Report
 - Decision oriented report (Technical)
 - Survey Board Research Report
 - Algorithmic Research Report
 - Guidelines for Reviewing Draft
 - Report Format
- Bibliography and Reference (Different Styles)


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Day 5 Session –1, 2 & 3

Speaker: Dr. Pankaj Madan, Head FMS, Gurukul Kangdi University, Haridwar

- SPSS Practical Implementation

Day 6 Session –1 & 2

Speaker - Dr. Pankaj Madan, Head FMS, Gurukul Kangdi University, Haridwar

- Computer Lab SPSS-hands on practice (data feeding)

Day 7 Session –1 & 2

Speaker - Dr. Jitender Rana, CERT, Meerut

- Statistical tools (decision making)


Day 8 Session – 1 Valedictory Session

The last day of the program had its valedictory session. It began with a brief outline of the sessions of the workshop. Dr. Vijay Kumar and Dr. Nishant Rathi told that the imperative of organizing such workshop lies in improving the overall quality of research works of the participants. Report of the workshop was presented by Dr. Ashfaq , Coordinator of the workshop.

This was followed by a brief feedback session from the participants of the workshop. All participants expressed their satisfaction about the workshop and overall coordination of the faculties of the department as well as the whole program. The Certificates were presented to the participants by the esteemed dignitaries. The workshop was concluded with a vote of thanks proposed by Dr. D.S Rawat, Principal SRC. The program was concluded with happy note from everyone.


Dr. Ashfaq Ali

Program Coordinator


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Professional Development Program

CERTIFICATE OF APPRECIATION

This is to certify that Dr./ Mr./Ms.
Department of has
successfully completed Professional Development Program on
“Research Methodology: Tools & Techniques” organised by the Shri Ram
College, Muzaffarnagar from 7th March to 14th March 2016.

Event Coordinator

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Attendance Sheet(07th - 14th March 2016)
Eight Days Professional Development Program
RESEARCH METHODOLOGY: TOOLS & TECHNIQUES

S.NO.	Faculty Name	Department	07-03-2016	08-03-2016	09-03-2016	10-03-2016	11-03-2016	12-03-2016	13-03-2016	14-03-2016
1	Mr. Sanjay Kant	Computer Application	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay
2	Mr. Shrikant Singh	Computer Application	Shrikant	Shrikant	Shrikant	Shrikant	Shrikant	Shrikant	Shrikant	Shrikant
3	Mr. Amit Kumar	Computer Application	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Amit
4	Mr. Siddhant Garg	Computer Application	Siddhant	Siddhant	Siddhant	Siddhant	Siddhant	Siddhant	Siddhant	Siddhant
5	Mrs. Vinita Shrivastava	Computer Application	Vinita	Vinita	Vinita	Vinita	Vinita	Vinita	Vinita	Vinita
6	Mr. Vivek Kumar Tyagi	Business Administration	Vivek	Vivek	Vivek	Vivek	Vivek	Vivek	Vivek	Vivek
7	Mr. Rajeev Rawal	Business Administration	Rajeev	Rajeev	Rajeev	Rajeev	Rajeev	Rajeev	Rajeev	Rajeev
8	Mr. Kapil Dev Dhiman	Business Administration	Kapil	Kapil	Kapil	Kapil	Kapil	Kapil	Kapil	Kapil
9	Mr. Amit Bhatnagar	Business Administration	Amit	Amit	Amit	Amit	Amit	Amit	Amit	Amit
10	Mr. Sanjay Sharma	Commerce	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay
11	Mr. Mayank Bhardwaj	Commerce	Mayank	Mayank	Mayank	Mayank	Mayank	Mayank	Mayank	Mayank
12	Ms. Archana Sharma	Commerce	Archana	Archana	Archana	Archana	Archana	Archana	Archana	Archana
13	Ms. Prachi Choudhary	Commerce	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi
14	Ms. Pooja Choudhary	Commerce	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja
15	Ms. Preeti Tyagi	Commerce	Preeti	Preeti	Preeti	Preeti	Preeti	Preeti	Preeti	Preeti
16	Ms. Ritu Choudhary	Commerce	Ritu	Ritu	Ritu	Ritu	Ritu	Ritu	Ritu	Ritu
17	Ms. Shalini Rani	Commerce	Shalini	Shalini	Shalini	Shalini	Shalini	Shalini	Shalini	Shalini
18	Ms. Niyati Pandit	Commerce	Niyati	Niyati	Niyati	Niyati	Niyati	Niyati	Niyati	Niyati
19	Dr. Vaishali Garg	JMC	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali
20	Mr. Vipin Kumar	JMC	Vipin	Vipin	Vipin	Vipin	Vipin	Vipin	Vipin	Vipin
21	Mr. Rohan Tyagi	JMC	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan
22	Ms. Anjali Saini	JMC	Anjali	Anjali	Anjali	Anjali	Anjali	Anjali	Anjali	Anjali
23	Ms. Parul Tyagi	Bioscience	Parul	Parul	Parul	Parul	Parul	Parul	Parul	Parul
24	Ms. Richa Malik	Bioscience	Richa	Richa	Richa	Richa	Richa	Richa	Richa	Richa
25	Ms. Akansha Kushwaha	Bioscience	Akansha	Akansha	Akansha	Akansha	Akansha	Akansha	Akansha	Akansha
26	Ms. Jyotsana Yadav	Bioscience	Jyotsana	Jyotsana	Jyotsana	Jyotsana	Jyotsana	Jyotsana	Jyotsana	Jyotsana
27	Mr. Ankit Kumar	Bioscience	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit
28	Ms. Vishwa Rawat	Bioscience	Vishwa	Vishwa	Vishwa	Vishwa	Vishwa	Vishwa	Vishwa	Vishwa
29	Ms. Ruchi Srivastava	Bioscience	Ruchi	Ruchi	Ruchi	Ruchi	Ruchi	Ruchi	Ruchi	Ruchi
30	Mr. Sandeep Kumar	Physical Education	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep
31	Mr. Ashu Sharma	Physical Education	Ashu	Ashu	Ashu	Ashu	Ashu	Ashu	Ashu	Ashu
32	Mrs. Monika Singhal	Teacher Education	Monika	Monika	Monika	Monika	Monika	Monika	Monika	Monika
33	Ms. Anshu Devi	Teacher Education	Anshu	Anshu	Anshu	Anshu	Anshu	Anshu	Anshu	Anshu
34	Ms. Shashi Kumari	Teacher Education	Shashi	Shashi	Shashi	Shashi	Shashi	Shashi	Shashi	Shashi
35	Mr. Rakesh Kumar	Teacher Education	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh

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