

FACULTY DEVELOPMENT PROGRAMME

On

“Research Methodology: Statistical Tools for Research”

16th -22nd December, 2019

The FDP started on 16th Dec, 2019 with Saraswati Vandana. There were 55 participants from different colleges and institutes. The dignitaries on the stage were, Prof. B.K. Kuthiala, Chairperson, Haryana State Higher Education Council as Chief Guest; Dr. S.K. Chakarvarti, Consultant Research, YMCA, University of Science and Technology, Faridabad as Keynote Speaker, Dr. Wazir Nehra as the special invitee; Chief Patron, Sh. Rajesh Kumar Sehgal, President, Hindu Education Society and Principal, Dr Vijay Kumar, Sh. L. N. Hindu College, Rohtak.



Honoring Prof. B.K. Kuthiala by giving token of Respect

Opening remarks for the FDP were given by Dr. Rashmi Chhabra, which was followed by a formal introduction to the programme by Dr. Neelam Maggoo, Coordinator, FDP.

In the Inaugural Session, Chief Guest Dr. Kuthiala expressed his valuable thoughts and shared his experiences with the delegates. According to him, being a teacher, it is the duty of a teacher towards society that he/she should contribute in making our society a perfect place to live. He focused that the **relevance of Ancient Indian Knowledge System** can be shown in modern times with the help of research.



Dr. S.K. Chakravarti delivering Inaugural Lecture

The program progressed with the Keynote lecture by Dr. S.K. Chakravarti in which he emphasized that not only research is important but the practical implementation of the research is required in the current scenario. He also highlighted that the Teacher-Student relationship is very important for understanding. It is the duty of a teacher to stimulate the students and for this a teacher should update himself / herself daily and explore the knowledge.

After the lunch break, in the next technical sessions, Dr. Sanket Vij, Professor, Department of Management, B.P.S. Mahila Vishwavidyalya, Khanpur Kalan, Sonipat elaborated the importance of research by stating that research is significant only when it is used for changing the scenario of present Indian society. He related research with the risk taking ability. According to him, a good research is that which has some social relevance.



Dr. Sanket Vij while delivering the talk

The second day started with the lecture of Dr. Ishani Patharia, Assistant Professor, Department of Commerce, BPS Mahila Vishwavidyalaya, Khanpur Kalan, Sonipat. Her talk was based on “**Introduction to Statistical Tools**”. She elaborated many important tools to do research in



Dignitaries Welcoming the Guest for the Day

easier way and SPSS is one of them which she practically demonstrated to the delegates.

In her next technical sessions, she explained two types of **statistical techniques- Quantitative and Qualitative techniques**. Both the techniques are significant in each and every field of research like Maths, Literature, Physics and Social Science etc. All the delegates put their queries before Dr. Ishani and she solved out all the queries in a very cooperative manner.

The third day of FDP started with the lecture of Dr Rajeev Kumar, Prof., Head, Deptt. of Mathematics. The topic of the discussion was “**Data Analysis**”. He told that data analysis is a very basic element in research and it is not only an important branch in Mathematics and Science but also equally important for every field of society. Acc. to him, Questionnaire Method is the best method to do research in every area of research whether it is in humanities, social sciences, literature etc. Dr. Rajeev explained very technical things about research that coding of data is relevant only then if one can recode it, otherwise it will be useless.



Delegates honoring the Resource Person

In next technical sessions, Dr. Rajeev covered the important areas like **Sampling techniques, Sampling Design, Sampling Decisions, Sampling Error, Non-sampling error, Sampling Distribution, Sampling Error, Testing of Statistical Hypothesis.**

In fourth technical session, Sh. S.K. Dhingra, General Secretary, Hindu Education Society expressed his views on the thought, vision and values of Guru Nanak Dev Ji in context of modern research and innovation. Acc. to him, research must be from society's point of view. Research should be valuable for common people.



Floral Welcome of Sh. S.K. Dhingra

The Fourth Day started off with the lecture of Dr. Bajrang Lal Gupta, Economist & Former Reader, Delhi University. The topic of the discussion was **“Indian Model of Development”**. He stated that the root cause of all economic & financial crises is the inappropriate Development Model which is being applied in the modern times, which needs to be reformulated with the help of new kinds of innovational researches.



Dr. Bajrang Lal Gupta expressing his thoughts

According to Dr. Gupta, solution to this problem is available in Indian Moral Values, Ancient Culture and Indian ethics which he named as **“Sumanglam”**, meaning over-all development or maximum welfare of the society.



Honoring Moment at the end of the session

In second and third technical sessions, Dr. Sunita Arora, Assoc. Prof., Deptt. of Commerce, Govt. College for Girls, Gurugram was the Resource Person. She discussed on **“Time Series Analysis”** covering features Auto- Correlation, Different Types of Data, Regression, Hypothesis, Testing of Hypothesis etc.



Welcoming the Guest with bouquet by the delegates

In last session, she practically demonstrated the use of **E-views** through Time Series Analysis. Delegates put their problems before Dr. Sunita and she solved all the queries in a very cooperative manner. All the participants surely got benefitted with her knowledgeable and effective talk.

On the Fifth Day the talk was delivered by Dr. Krishan Kant, Principal, Aggarwal College, Ballabgarh. His topic of discussion was “**Current Scenario & Role of Teacher in Reinventing and Reengineering Higher Education**”. In his discussion he explained the primary aim of education in Higher Education, Teaching & Learning etc. In his discussion, he explained the main purpose of Education, Issues in Higher Education, Issues in Teaching & Learning etc. With his valuable thoughts he enlightened the minds of all the listeners.



Honoring the Resource Person by giving token of Respect

In the second technical session, Dr. Harish Dureja, Assoc. Prof. Deptt. of Pharmaceutical Sciences, M.D.U., Rohtak was the Resource Persons. He expressed his views on “Intellectual Property Rights”. He explained important facts about **Copyrights, Patents and Trademarks**. All the participants were benefitted with this enriching talk. He also summarized all the important details about and Patent like who can file the patent, where to file it and how to file it? He explained in his talk about Trademarks which is used as an indication of quality and authenticity. Dr. Harish also told that what are the main functions of Trademarks and what is the procedure of registration. All the participants were benefitted with this useful talk.



Honoring the Resource Person by giving Token of Love

In the next technical sessions, there was a group discussion among all the participants. The discussion was based on the problems and issues which they have studied so far in the Faculty Development Programme.

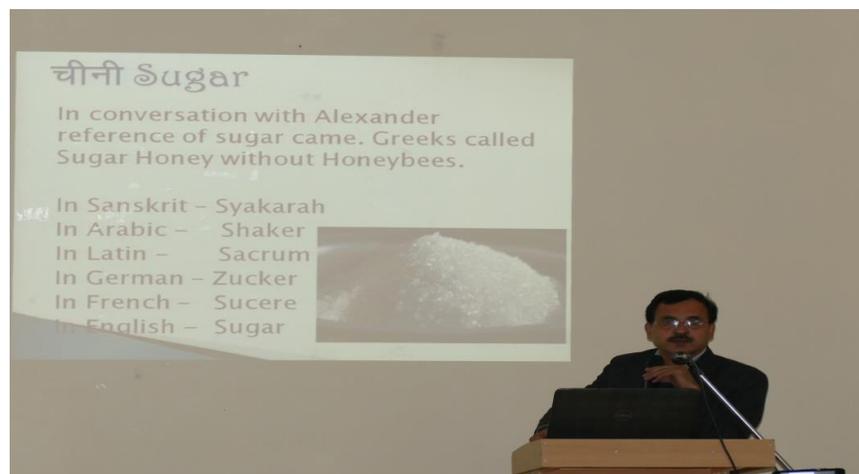
On the Sixth Day Dr. Ashish Manchanda, Asstt. Prof., University School of Management Studies, G.G.S Indraprastha University, Delhi was the Resource Person for the day. Before starting the talk he revived up the last five days discussion on various issues to smoothen the understanding of all the concepts. Dr. Ashish told that before starting research, we should consider the awareness, attitude and perception of respondent, it will decide the reliability.



Floral Welcome of Dr. Ashish Manchanda

In the next sessions, he elaborated that without a deep & thorough study of review of literature it is not possible to properly analyze the data. Dr. Ashish explained MS-Excel with the help of diagrams and with very lively examples.

On the Seventh Day, the talk was delivered by Dr. Vijay Kumar, Principal Sh. L N Hindu College, Rohtak. In his talk, he explained the Research Methodology in Ancient India. Dr. Vijay, in his talk, also aware the gathering about the glorious past of vibrant India. Dr. Vijay motivated the house by his inspirational saying that India needs everyone's contribution to make India No. 1 in Research and innovation.



Dr. Vijay Kumar highlighting the auspicious Indian Culture

After the lecture there was a Feedback Session in which all participants shared their experiences. Most of them talked about the intensive knowledge which they gained from this FDP.

In the Valedictory Session of the FDP, Sh. Rajesh Kumar Sehgal, President, Governing Body was the chief guest for the occasion. Dr. Rashmi Chhabra, Organizing Secretary of the FDP gave a vote of thanks to each and every person who made this FDP a successful workshop. She thanked all the participants, faculty members for their support. All the participants were given certificates and “श्री मद् भगवत्गीता” as a token of memory.



Certificate distribution at the Valedictory Session



Group Photograph of all the participants with the dignitaries

This led to the end of the series of lectures in this successful Seven Days Faculty Development Programme. Surely, it extended the knowledge of the participants and will help them in the future in their personality and career enhancement.