Course Name: Student Development Program (30 hrs)
on Research Analytics
Date: 2nd August, 2021 – 9th August, 2021

Course Outline/Syllabus/Curriculum:

Module 1: (5hrs)

- Overview of Research:
    - Definition of Research
    - Research Process
        - Statement Of the Problem
        - Generating a Hypothesis
        - Review of the literature
        - Measurements, Sample, Instrumentation, Data Analysis
        - Conclusion.

Module 2: (5hrs)

- Literature Review:
    - What is a Literature Review?
    - Objectives of Literature Review
    - Why write a Literature Review?
    - Key points to remember
    - The structure of a literature review and How To do a literature review?

Module 3: (5hrs)

- Conducting Research:
    - How to conduct a Research :-
        - Identify and develop your topic
        - Do a preliminary search for information
        - Locate materials
        - Evaluate your sources
        - Make notes
        - Cite your sources properly
        - Proofread.

Module 4: (5hrs)

- Data Analysis:
    - What is data analysis in research?

- Why analyze data in research?
- Types of data in research
- Data analysis in qualitative research
- Data analysis in quantitative research and Considerations in research data analysis.

Module 5: (5hrs)

- Presenting the Findings:
  - How to present Research findings :-
    - Know your audience in advance
    - Tailor your presentation to that audience
    - Highlight the context, Policy or Practice recommendations
    - Include recommendations that are actionable
    - Time and practice what you do, Avoid Power pointlessness and Visualize your data.

Module 6: (5hrs)

- Ethics in Research and Getting the Research Published:
  - Definition of research ethics
  - Principles and Importance of Research Ethics
  - How to get the research published?
  - How to get the research noticed?

ASSESSMENT PROCEDURE:

The session's assessments were completed through practice tasks that involved a thorough review of past research papers, the discovery of solutions to specific questions, and the creation of a basic hypothesis for the same.

SUMMARY REPORT WITH OUTCOME:

Research is the creation of new knowledge, and to assist future researchers in conducting their research efficiently, a Student Development Program (30 hrs) on Research Analytics was made available to scholars from all disciplines. The course was led by renowned professors from Shyam Lal College, who shared their knowledge, self-taught tips, and their own presentations, all of which were designed to make concepts more clear. All of the knowledge from the fundamental to the advanced levels was clearly shared with the participants assisting them in laying the groundwork for various research areas that they are interested in conducting in the future.

Student Development Programme on Research Analytics (30 hrs) from 02/8/2021 to 09/8/2021

Centre for Skill Development in collaboration with IQAC of Shyam Lal College, University of Delhi again organized a Student Development Program on Research Analytics (30hrs) from 02/8/2021 to 09/8/2021 under the guidance of Prof. Rabi Narayan Kar, principal Shyam Lal College. This course was done under the leadership of Dr. Kavita Arora, Convenor of CSD and support of Dr. Kusha Tiwari, Coordinator of IQAC. 92 students enrolled in this course.

This course was intended to focus on Research Methodology which is a process for the development and validation of research questions, data collection, and data analysis methods that lead to sound conclusions. This course also helped the students to understand the basics of research and how they can proceed for literature review. What all are the approaches for conducting research were also discussed. After this the main focus was on data analysis in which the important key points were discussed like data organization, categorization, Summarization and then finally data analysis both in top-down or bottom-up fashion were discussed.

Next was the how the students can present their findings and also the focus was on research ethics which govern the standards of conduct for scientific. The main aim is to build the students analytically and ethically strong.

SLC (University of Delhi)
Shyam Lal College
Center for Skill Development & IQAC

present

RESEARCH ANALYTICS

Student Development Programme for 30 hrs
Under Project VISTAR

◈ ***Date: 2nd August, 2021 to 9th August, 2021***

Modules to be Covered

Overview of Research	Literature Review
Conducting Research	Data Analysis
Presenting the Findings	Ethics in Research

◈ ***Organizing Committee: Dr. Gayatri Chaturvedi, Dr. Kinshuk Majumdar, Dr. Seema Dabas, Dr. Komilla Suri, Dr. Ritu Aggarwal, Mohd. Sajid, Ms. Sumanjeet***

Dr. Kavita Arora	Dr. Kusha Tiwari	Prof. Rabi Narayan Kar
Convenor, CSD	Coordinator, IQAC	Principal, SLC

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