



INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR CENTRE FOR TEACHING LEARNING AND VIRTUAL SKILLING (CTLVS)

SHORT TERM COURSE ON

SAMPLING TECHNIQUES AND TOOLS DEVELOPMENT

15th July-24th July 2024

**Time: 6 PM-8 PM
(Online Mode)**

Course Overview

This comprehensive 10-day workshop is designed to provide an in-depth understanding of advanced research methodology, specifically focusing on various sampling techniques and statistical tools essential for high-quality research. Participants will gain hands-on experience in designing robust research frameworks using both probability and non-probability sampling methods.

Course Content

- Day 1:** Introduction to Universe, Population, and Sampling; Overview of Sampling Techniques
- Day 2:** Detailed Analysis of Random and Systematic Sampling Techniques
- Day 3-4:** Exploration of Stratified and Proportionate Sampling Techniques
- Day 5:** Cluster and Multistage Sampling Techniques
- Day 6:** Non-Probability Sampling Methods, including Purposive and Snowball Sampling
- Day 7:** Determining Sample Size, Understanding Sampling Distributions
- Day 8:** Instrumentation: Characteristics, Measurement vs. Assessment, Standardized vs. Unstandardized Tools
- Day 9:** Development and Standardization of Research Tools
- Day 10:** Establishing Reliability, Validity, and Norms for Tools

Course Benefits

- Learn to choose and apply the correct sampling techniques for various research scenarios.
- Understand key statistical concepts necessary for effective data analysis.
- Master the art of developing standardized research tools tailored to specific study needs.
- Insights from leading expert in research methodology.

Experts



Dr. Kaushal Kumar Bhagat
Assistant Professor
Advanced Technology Development Centre
Vice Chairman, Centre for Teaching Learning and
Virtual Skilling
Indian Institute of Technology Kharagpur



Dr. D. N. Sansanwal
Head and Dean (Retd.)
Faculty of Education, Devi Ahilya University,
Indore.



Dr. Swati Varshney
Research Officer
AIIMS, New Delhi

How to Register

Use the link: <https://erp.iitkgp.ac.in/CEP/courses.htm> to apply ONLINE.

Signup → Login → Profile Fillup → Choose a Program → Apply Now

Payment is to be done ONLINE after getting short listed for the program.

E-certificates will be provided on successful completion of the course. Attendance is mandatory.



Course fee

Students: 2500 (INR)
Working professionals: 3000 (INR)

Contact:

Dr. Kaushal Kumar Bhagat
9647931583
kaushal.dgp@gmail.com

Important dates:

Registration deadline:
12th July 2024
Payment deadline:
13th July 2024