

Faculty Development Programme on “Research Methodology & Data Analysis”



Unveiling Excellence

Organised by
Department of Sociology
UNIVERSITY OF SCIENCE & TECHNOLOGY MEGHALAYA

Date: 5th January to 11th January, 2022

University of Science and Technology, Meghalaya (USTM), promoted by ERD Foundation, Guwahati was established under Act 6 of 2008 enacted by the Legislative Assembly of Meghalaya and incorporated under section 22 and 2(f) of the UGC Act 1956. It's campus aptly named "Techno City". School of Applied Sciences, Biological Sciences, Social Sciences and Humanities, Business Sciences and Education are the various academic units of the University, further divided into departments and institutes/centres for imparting courses and programmes leading to the degree at the undergraduate and postgraduate levels. Research is also carried out by various schools and departments of USTM, leading to the award of Ph.D. degree.

Department of Sociology, USTM

The Department of sociology was established in the University of Science and Technology, Meghalaya (USTM), with a noble vision, mission and took inspiration from the world of Sociology succeeded universally. The Department in the USTM established in 2011 with certain noble objectives to fulfil, which was initially named 'Department of Sociology and Social Work'. The founding members of the Department are Mr. B I Laskar and Dr. Satish Kumar Bodla. Later on, the Department of Social Work separated from the Department of Sociology and became autonomous in 2016. Presently, the Department has eight faculty members. Faculty members have published a number of books, research papers and have also completed a number of research projects. Department of Sociology is very well connected to the Indian Sociological Society and other Departments of Sociology of reputed universities and different IITs of India. The courses offered by the Department are (1) BA Sociology, (2) MA Sociology, and (3) PhD.

About the Faculty Development Programme

The current FDP is an effort to enrich the Young Faculties & Research scholars in social science on research methodology. The present FDP on research methodology course in social science is expected to cover the basics of research methodology, focusing on theoretical and practical inputs. Specifically, it will focus on formulating a research problem, formulating the research hypothesis and testing of hypothesis, conducting literature review, data collection methods, selecting appropriate parametric or non-parametric statistical method for analyzing data, and report writing.

Objectives

- To enable the participants, define the research problem, develop an approach to the research problem, and select a suitable research design.
- To impart capabilities for formulation and testing of hypotheses based on the nature of research.
- To comprehend the appropriateness of statistical software packages for analyzing research data.
- To enable the participants to understand the process of writing research proposals and report writings.
- To make aware the participants of the latest trends in the social science research.

Eligibility

Faculty members, Research Scholars, and other working professionals doing research and projects in various Social Sciences disciplines are eligible for this Programme. The maximum number of participants is limited to 30; hence, the selection will be based on a first-come, first-served basis.

Course Contents of the Programme

1. Nature of Scientific Methods; Types of Research: Historical, Analytical, Interdisciplinary, Evaluative, Participative and Action Research
2. Steps in the Process of Research - Problem Selection, Formulation and Planning; How to write a Proposal
3. Research Design: Exploratory, Diagnostic, Descriptive, Experimental; Control Group & Experimental Group; Ex-Post Facto Research Design, Concepts in Quantitative Research: Variables, Attributes
4. Hypotheses & Sampling: Concept & Types of Hypotheses, Formulation of Hypothesis, Testing of Hypothesis, Nature & Types of Sampling: Probability Sampling: Simple Random Sampling, Proportionate and Disproportionate Stratified Random Sampling, Cluster Sampling; Non-Probability Sampling: Accidental Sampling, Quota Sampling, Purposive Sampling, Snowball Sampling
5. Tool of Data Collection: Primary & Secondary Data, Questionnaire, Types and Formats of interview Schedule, Different types of Interviews, Observation, Case Study Method, Content Analysis, Rating Scales: Osgood; Bogardus; Thurston; Likert; Guttman
6. Social Statistics: Measurement of Central Tendency, Dispersion, Skewness, Kurtosis, Regression and Correlation; Measurement of Correlation; Karl Pearson's Correlation and Rank Correlation, Statistical Inference: Point and interval estimates, Parametric and Non-Parametric Test (Chi-Square, Test of Differences, Significance and Freedom); Analysis of Variance and Co-Variance: One Way and two-way classification.
7. Introduction to SPSS: Data View, Variable View, Importing of Data, Defining of Variables.
8. Using SPSS testing Normality and reliability of Data:

Example of Interpretation.
9. Using SPSS Chi-Square Test: Example of Interpretation.
10. Using SPSS t-Test (One-Sample): Example of Interpretation.
11. Using SPSS t-Test (Independent): Example of Interpretation.
12. Using SPSS Correlation & regression: Example of Interpretation.
13. Using SPSS ANOVA (One Way): Example of Interpretation.
14. Report Writing - References in Report Writing (Style Sheet); How to write an academic Research Paper.

Important Dates:

Last Date of submission of application form: 15th December, 2021

Submit the application form in the following Email id:

cbharadwaj20@gmail.com

Registration Fee:

Every participant has to be registered online.

Every participant has to pay 3500 hundred rupees online in the following account details.

Account Name: University of Science & Technology

Account No: 911010060610980

Bank: Axis Bank (Khanapara Branch, Guwahati)

IFSC Code: UTIB0001297

Chief Patron: M. Hoque, Chancellor, USTM

Patron: Prof. G. D. Sharma, Vice-Chancellor, USTM

Advisory Body

Dr. R K Sharma, Advisor, USTM

Dr. B. K. Das, Director, Administration

Mrs. Anju Hazarika, Registrar, USTM

Dr. N Laskar, CoE, USTM

Dr. A H Barbhuiya, Academic Registrar, USTM

Prof. Abdul Matin, Former Professor and Head, Department of Sociology, Aligarh Muslim University, Aligarh & President, FLAIR

Prof. A C Talukdar, Dean, School of Social Sciences and Humanities, USTM

Prof. T R Gogoi, Department of Sociology, USTM

Dr. K Aye, HoD, Department of Sociology, USTM

Organizing Committee

Organizing Secretary	: Dr. Chandan Bharadwaj
Joint Organizing Secretary	: Dr. Kughatoli V. Aye
Member	: Mr. B I Laskar Dr. Nabarun Purkayastha Mr. Hasan Laskar Dr. S Gupta Dr. Y. P. Devi

For all kinds of communication Contact Us

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REGISTRATION FORM

Faculty Development Programme on “Research Methodology & Data Analysis”

Name (in BLOCK LETTERS) Mr / Ms / Dr / _____

Designation & Department _____

Name of the Institution/Organization _____

Address for Communication _____

E-Mail _____

Mobile _____

Signature

Place: