

Tentative Schedule

	4.00pm to 06.00pm	6.30pm to 08.30pm
Day1	<ul style="list-style-type: none"> • Introduction to Social Science Research • Types and Phases of Research • Types of Research Design • Steps to develop quality research proposal 	<ul style="list-style-type: none"> • Concept mapping and formulation of research Problem • Introduction to Qualitative Research • Introduction to Quantitative Research
Day2	<ul style="list-style-type: none"> • Primary & Secondary Data Collection (tools and Techniques) • Allotment of Field Survey • Questionnaire Design 	<ul style="list-style-type: none"> • Sampling Design • Types of Sampling • Measurement and Scaling
Day3	<ul style="list-style-type: none"> • Basics of software packages for analysis • Basics of R Environment, R Script, Console • STATA/Eviews/ GRETL/ SPSS/ Microfit, etc. 	<ul style="list-style-type: none"> • Tabulation and Graphic presentation of data • Data Visualization, Histogram, Box Plot, Bar Chart, • Correlation Matrix, Scatter Plots Heat Maps and other map analysis
Day4	<ul style="list-style-type: none"> • Descriptive Statistics (measure of central tendency, dispersion, skewness, Kurtosis, Correlation, Regression) 	<ul style="list-style-type: none"> • Partial and Semi-Partial Correlation • Probability theory and probability distributions
Day5	<ul style="list-style-type: none"> • Testing of Hypothesis (Parametric Test) • Testing of Hypothesis (Non-Parametric Test) • ANOVA & covariance 	<ul style="list-style-type: none"> • Cluster Analysis • Discriminant Analysis • Conjoint Analysis
Day6	<ul style="list-style-type: none"> • Factor Analysis Using SPSS 	<ul style="list-style-type: none"> • Writing Bibliography and Citations • Ethical issues of research

6.00pm to 6.30pm. (Tea Break)

	4pm to 06pm	6.30pm to 08.30pm
Day7	<ul style="list-style-type: none"> • Introduction to Time Series Analysis – Univariate Stationarity and non Stationary in time series 	<ul style="list-style-type: none"> • Testing: ARIMA Modelling • for forecasting Basics of AR, MA, ARIMA modelling and Hands on Session
Day8	<ul style="list-style-type: none"> • Granger-Causality Analysis; Basics of VAR, VECM and Cointegration Using GRETL or Eviews 	<ul style="list-style-type: none"> • Variance Modelling: ARCH, GARCH, EGARCH and MGARCH models Using GRETL or Eviews
Day9	<ul style="list-style-type: none"> • Introduction to panel data analysis; Different Formats of panel data; Basic Assumptions of Panel Data; Fixed Effects Models; Random Effects Models; Hausman Test; Using Eviews or STATA 	<ul style="list-style-type: none"> • Productivity, Efficiency and Data Envelopment Analysis: An Introduction • Efficiency Measurement under Variable Returns to Scale: Theory and Hands on Computation on Excel
Day10	<ul style="list-style-type: none"> • Panel based Causality and Panel based Cointegration; Advances in Panel Data Using Eviews or STATA 	<ul style="list-style-type: none"> • Constant Returns to Scale: Separating Technical and Scale Efficiencies • Non-Radical Measures of Pareto-Koopmans Efficiency
Day11	<ul style="list-style-type: none"> • Problem of Endogeneity, GMM and System GMM models Using Eviews or STATA 	<ul style="list-style-type: none"> • Research Report Writing • Common errors in Writing Research report
Day12	<ul style="list-style-type: none"> • Opportunities for Young researchers • A general talk on opportunities, grant, funding organization etc. 	<ul style="list-style-type: none"> • Hands on R Software

6.00pm to 6.30pm. (Tea Break)

Two Week Faculty Development Program on Research Methodology & Applied Econometrics for Social Sciences

05/09/2022 to 17/09/2022

(Online Mode)



Organized by
Department of Business Administration
Assam University, Silchar
(A Central University)

In collaboration with



Vidyasagar University, West Bengal

The Department of Business Administration, Assam University, Silchar is organizing an online Two-Week Faculty Development Program on Research Methodology & Applied Econometrics for Social Sciences from 05/09/2022 to 17/09/2022 in collaboration with Department of Economics and Department of Business Administration, Vidyasagar University West Bengal.

The FDP will give exposure to Faculties and./Ph.D./PDF Scholars about different research methodology tools and its use for analysis of different research data and its proper interpretation.

THE OBJECTIVES OF THE WORKSHOP ARE:

☞ To provide the necessary expertise, so that research scholar(s), young faculties can formulate a suitable research design, including literature review, gaps identification, defining research objectives, research questions and hypothesis.

☞ To conceptualize the concepts and incorporation of qualitative and quantitative research methods.

☞ Exposure to few statistical software

☞ Exposure to Time Series and different modelling in Econometrics including panel data analysis.

ELIGIBILITY OF THE PARTICIPANTS:

The target audiences for the FDP are the faculty members Research scholars, PG Scholars, participants from Government Universities, Industry (Bureaucrats/Technicians/Participants from Industry etc.)/and staff of host institutions.

HOW TO APPLY:

To Apply login to the google form:<https://forms.gle/tCTCcmc8BvXn7hxHA>

REGISTRATION FEE:

Rs 700/- for all participants.

Payment to be made to below-mentioned bank details:

Account Name: **Assam University, Project Account II**

Account No: 20050110035450

UCO Bank, Assam university Branch

IFSC Code: UCBA0002005

Course Convenor: Dr. Deepjyoti Choudhury,

Assistant Professor, Department of Business Administration, Assam University, Silchar, Assam

Joint Convenors: Dr Shrabanti Maity, Associate Professor & Head, Department of Economics, Vidyasagar University

Dr. Tarak Nath Sahu, Associate Professor & Head, Department of Business Administration, Vidyasagar University

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About Assam University

Assam University came into existence in 1994 after enactment of the Assam (Central) University Act 1989. Through its pursuit, Assam University is in the process of making itself an institute of excellence. Assam University main campus is situated at Dargakona, about 20 kms away from Silchar. The campus is set amid sprawling hillocks and typical landscape of north east. The campus is spread over 600 acres and provide an ideal environment for the researchers, students and the people interested in academic excellence. The other campus of the university is situated at Diphu in the district of Karbi Anglong, Assam. The university has the territorial jurisdiction over the five districts of Assam viz., Cachar, Karimganj, Hailakandi, Dima Hasao (erstwhile North Cachar Hills) and Karbi Anglong. Assam University being a central university hosts a national characteristics of unity in diversity. Faculties, staff and students hail from all over the country. International students also find this institution an ideal centre for pursuing their academic endeavour.

About Vidyasagar University

Vidyasagar University, named after one of the most illustrious sons of Bengal as well as one of the doyens of Indian Renaissance, Pandit Iswar Chandra Vidyasagar, has grown out of a long cultural and educational movement in West Bengal in general and in the undivided district of Midnapore in particular. The idea of founding a University in the district was mooted by the various organizations, notably by the Regional Education Association, Midnapore, headed by Professor A.K.Gayen of IIT, Kharagpur. To give honour and respect to these pious intentions and proposals, the Government of West Bengal decided in 1978 to establish Vidyasagar University. The U.G.C. accorded recognition to the University in terms of Section 12B of the U.G.C. Act, on 1st March 1990. The University presently houses 27 PG departments, 13 in Humanities and 14 in Science while 46 undergraduate colleges apart from 11 courses in yet 11 other colleges / institutes are affiliated to it.

Key Speakers



Professor Subhash C. Ray

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Oak Hall 365 Fairfield Way,
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Professor Hiranya K. Nath

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Professor Dr. ir Jeroen Buysse

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PATRONS:

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Vice Chancellor, Assam University

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Dean, J.N School of Management Studies,
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Prof . Tapan Kumar De,

Dean Faculty Council of PG Studies
Arts and Commerce, Vidyasagar University

Professor Satyajit Saha,

Dean Faculty Council of PG Studies Science,
Vidyasagar University

FDP CHAIRMAN:

Prof. H.Ramananda Singh, HOD,

Department of Business Administration