



# DEPARTMENT OF POLITICAL SCIENCE

## MAHATMA GANDHI CENTRAL UNIVERSITY, BIHAR

Organising

Five Day Online Workshop on

# "Research Methodology"



24<sup>th</sup> to 28<sup>th</sup> August 2020



Chief Patron

**Prof. Sanjeev Kumar Sharma**  
Hon'ble Vice Chancellor  
Mahatma Gandhi Central University



Patron

**Prof. G. Gopal Reddy**  
Pro Vice-Chancellor  
Mahatma Gandhi Central University

## Our Eminent Speakers



**Prof. C.B. Sharma**  
Professor  
Indira Gandhi National Open  
University, New Delhi  
Former, Chairman, NIOS



**Prof. Yatindra Singh Sisodiya**  
Director  
Madhya Pradesh Institute of Social  
Science Research, Ujjain (M.P.)



**Prof. Kashi Nath Jena**  
Department of Political Science  
Tripura University,  
Agartala (Tripura)



**Prof. Gyan Prakash Singh**  
Department of Statistics,  
Banaras Hindu University,  
Varanasi



**Prof. Peerzada Irshad Ahmad**  
Professor & Head  
Department of Political Science  
University of Kashmir,  
Srinagar



**Prof. S.F. Chandra Sekhar**  
Area Chair-HR  
Siva Sivani Institute of Management  
Rangareddy, Andhra Pradesh



**Prof. Sunita Murmu**  
Department of English  
Deen Dayal Upadhyaya Gorakhpur  
University, Gorakhpur



**Dr. Joginder Singh Saklani**  
Assistant Professor,  
Dept. of Political Science  
Himachal Pradesh University, Shimla  
Assistant Director, UGC-Human Resource  
Development Centre, HPU, Shimla



**Dr. P. Suresh Kumar**  
Assistant Professor,  
CAS in Marine Biology,  
Faculty of Marine Science,  
Annamalai University,  
Parangipettai (Tamil Nadu)



**Dr. Kakoli Banerjee**  
Assistant Professor & Founding Head  
Dept. of Biodiversity &  
Conservation of Natural Resources  
School of Biodiversity &  
Conservation of Natural Resources  
Central University of Odisha



**Dr. Elezabeth Mathews**  
Assistant Professor and Head (I/C) &  
Welcome trust/ DBT Early Career Fellow  
Department of Public Health and  
Community Medicine,  
Central University of Kerala



**Dr. Abhiruchi Ojha**  
Assistant Professor  
Department of Politics & Governance  
Central University of Kashmir  
Visiting Fellow, Nepal Institute for  
International Cooperation and  
Engagement (NIICE)

Workshop Director

**Prof. Rajeev Kumar**  
Dean, Research and Development  
Head, Dept. of Political Science  
Mahatma Gandhi Central University

Organising Secretary

**Dr. Narendra Kumar Arya**  
Associate Professor,  
Department of Political Science  
Mahatma Gandhi Central University

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Assistant Professor  
Department of Political Science  
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**Dr. Narendra Singh**  
Assistant Professor  
Department of Political Science  
Mahatma Gandhi Central University

# Programme

**Inaugural Session: (09:30 AM - 11:30 AM, 24/08/2020)**

**Speakers: Prof. C. B. Sharma & Prof. Yatindra Singh Sisodia**

**Research: Nature & Concept**

Meaning and importance of Research – Types of Research – Selection and formulation of Research Problem, Ontologies and Epistemologies in the Social Science Research

**Session-2: (03:00 PM - 05:00 PM, 24/08/2020)**

**Speaker: Prof. S.F. Chandra Sekhar**

**Research Design:** Need-Features-Inductive, Deductive and Development of models

**Research Plan:** Developing a Research Plan-Exploration, Description, Diagnosis, Experimentation, Determining Experimental and Sample Designs.

**Session- 3: (10:00 AM - 12:00 PM, 25/08/2020)**

**Speaker: Dr. Joginder Singh Saklani**

**Hypothesis:** Different Types – Significance – Formulation of Working Hypothesis, Null hypothesis, Hypothesis Testing

**Session-4: (03:00 PM - 05:00 PM, 25/08/2020)**

**Speaker: Dr. Umesh Patra**

**Literature Review:** Analysis of Literature Review-Primary and Secondary Sources, Web sources –critical Literature Review

**Research Paper:** Preparing Research papers for journals, Seminars and Conferences – Design of paper using TEMPLATE, Calculations of Impact factor of a journal, citation Index, ISBN & ISSN.

**Session-5: (10:00 AM - 12:00 PM, 26/08/2020)**

**Speaker: Dr. Abhiruchi Ojha**

**Types of Research:** Quantitative and Qualitative Research, Different Methods of Qualitative Research

**Research Methods:** Scientific method vs Arbitrary Method, Logical Scientific Methods: Deductive, Inductive, Deductive-Inductive

**Session 6: (03:00 PM - 05:00 PM, 26/08/2020)**

**Speaker: Dr. Elizabeth Mathews**

**Project Proposal:** Preparation of Project Proposal - Title, Abstract, Introduction – Rationale, Objectives, Methodology – Time frame and work plan – Budget and Justification –References

**Session 7: (10:00 AM - 12:00 PM, 27/08/2020)**

**Speaker: Dr. Kakoli Banerjee**

**Sources of Data** – Primary, Secondary and Tertiary – Types of Data – Categorical, nominal & Ordinal.

**Methods of Collecting Data-** Questionnaire, Observation, field investigations, Direct studies – Reports, Records or Experimental observations

**Plagiarism**

**Session-8 & 9: (01:00 PM - 03:00 PM, 27/08/2020)**

**(03:30 PM- 05:30 PM, 27/08/2020)**

**Speaker: Prof. Gyan Prakash Singh**

**Sampling:** Types and Techniques of Sampling

**Analysis of Data:** Data Processing and Analysis strategies– Graphical representation– Descriptive Analysis– Inferential Analysis– Correlation analysis– Least square method– Data Analysis using statistical package– Generalization and Interpretation– Modeling

**Session-10: (10:00 AM - 12:00 PM, 28/08/2020)**

**Speaker: Prof. Kashinath Jaina**

**Report Writing/ Thesis:** Structure and components of Scientific Reports – types of Report – Technical Reports and Thesis – Significance – Different steps in the preparation – Layout, structure and Language of typical reports – Illustrations and tables – Bibliography, Referencing and foot notes.

**Session-11: (03:00 PM - 04:00 PM, 28/08/2020)**

**Speakers: Dr. P. Suresh Kumar**

**Project Proposal: Preparation of Project Proposal.**

**Valedictory Session: (04:00 PM - 05:00 PM, 28/08/2020)**

**Speakers: Prof. Peerzada Irshad Ahmad & Prof. Sunita Murmu**