About The University

Central University of South Bihar, Gaya (Erstwhile Central University of Bihar) was established in 2009 through Central Universities Act 2009 of Parliament. The University is progressive to carve a niche with its policies, programmes and pedagogical innovations for quality teaching and research in its academic endeavours. It has significantly achieved a benchmark in terms of infrastructure, laboratories, research projects, faculty recruitments, procedural rules, along with conduction of innovative programmes being offered. With a motto viz. "Gaya Seva Vimukhtaye", the University has been conducting its academic and administrative activities in a 450 acres plot of land in Panchanpur town Gaya City (in Bihar).

About the School of Education

The School of Education at the University was established in 2013-14 by launching Four Year Integrated B.A.B.Ed. and B.Sc.B.Ed. programmes, and in 2017 M.Ed. Programme and Ph.D. Programme were started to cater the demand of quality teachers, teacher educators and researchers in the field of education by the School of Education. At present, School of Education has two departments, namely Department of Teacher Education and Department of Physical Education. Presently, the School of Education is running two centres namely - Centre for Learning & Pedagogy Studies and Centre for Assessment & Evaluation under PMMMNMTT Scheme, Ministry of Education, Govt. of India.

About the PMMMNMTT

The Prime Minister Mission Mahavidya National Mission on Teachers and Teaching, (PMMMNMTT) in Central Govt. scheme. The scheme envisages to address comprehensively all issues related to teacher, teaching and teacher preparation and professional development. The scheme operates holistically in dealing with all the sectors of education-school education, and higher education including technical education to improve teachers and faculty members through Workshops, Training Programmes, Refresher Courses, Faculty Induction Programmes, Academic Leadership Programmes etc.

About the Programme

Statistical analysis is an integral part of any research that includes data organization, data display through graphs, model fittings and other computational components. The combination of the inherent characteristics of the raw data and its nature are also an important part of data analysis. The era of science of society, environment and multi-life. Einstein pointed out that "There are three kinds of lies: lies, damned lies, and statistics". Therefore, the conceptual understanding of data, data analysis techniques and its applications with the use of software like MS Excel or SPSS are needed for researchers to analyze the data effectively in terms of input and accuracy and reduce the possibility of errors of statistics. Researchers in social, behavioral, educational and other sciences need to be equipped with the knowledge of data analysis techniques and the use of appropriate software to perform statistical analysis for improving the quality of social science research. Therefore, the Faculty Development Programme is needed for University/College teachers with the interest to enhance the theoretical background of data analysis as well as hands-on experience and application of data analysis by using SPSS and Excel for them to conduct fruitful research and publish research articles/papers in reputed journals/books. In this perspective a need is to be felt to conduct Faculty Development of Teachers of Higher Education Institutions in their respective fields.

Following to the above context, Department of Teacher Education, School of Education, Central University of South Bihar, Gaya is going to organize the Five Weeks Faculty Development Programme titled "**Data Analysis in Social Science Research Through SPSS and Excel Software**" for Teachers of Higher Education Institutions to enhance their efficiency in conducting qualitative research in their respective fields.

Objectives of the Programme

1. To develop a conceptual understanding of the fundamentals of statistics.
2. To develop the skills for selecting the appropriate statistical tools/techniques for data analysis.
3. To develop the skills for using advanced statistical tools in data analysis.
4. To acquaint the participants with the use of Excel and SPSS in data analysis of social science research.
5. To involve the participants with hands-on experience in data analysis.
6. To acquaint participants with issues, problems and challenges in data analysis of social science research.

Contents of Topics

1. Fundamentals of Statistics and Data Analysis
2. Testing of Hypothesis and Testing of Normality
3. Correlational analysis
4. Parametric Statistics - t- test and ANOVA
5. Non-parametric Statistics - Chi-square test, Mann Whitney U test)
6. Introduction of Co-variance (ANCOVA)
7. Regression Analysis
8. Factor Analysis
9. Hands-on activities/experiences in data analysis

Organizing Committee

Dr. Ram Ram, Associate Professor, Dept of Teacher Education, CUSB
Dr. Sarbajeet Sahoo, Assistant Professor, Dept of Teacher Education, CUSB
Dr. Kindo, Assistant Professor, Dept of Teacher Education, CUSB
Dr. Gautam Kumar Pandey, Assistant Professor, CUSB, CUSB
Dr. Narendra Kumar, Assistant Professor, Dept of Teacher Education, CUSB
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Dr. Md. Shamshad Hussain, Assistant Professor, Dept of Teacher Education, CUSB
Dr. Mangaraju Sri Singh, Assistant Professor, Dept of Teacher Education, CUSB
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Dr. Sandeep Kumar, Assistant Professor, Dept of Teacher Education, CUSB

केंद्रीय विश्व विद्यालय दक्षिणबिहार

CENTRAL UNIVERSITY OF SOUTH BIHAR

Village-Panchanpur, Karkat, Village, Karkat, PO- Fatwah
District- Gaya (Bihar), PIN - 824236

DEPARTMENT OF TEACHER EDUCATION

SCHOOL OF EDUCATION

ONE WEEK

FACULTY DEVELOPMENT PROGRAMME

ON

DATA ANALYSIS IN SOCIAL SCIENCE RESEARCH THROUGH SPSS AND EXCEL SOFTWARE

Under Under Mission Mahavidya National Mission on Teachers and Teaching (PMMMNMTT) Scheme

Sponsored by Govt. of India, MoE, GoI (MHRD)

01st to 07 December 2023

In

ONLINE MODE

Patron

Prof. Rajesh Kumar Tiwari

Hon'ble Vice Chancellor

Central University of South Bihar, Gaya

Prof. Ramesh Kindo

Head & Dean

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Executive Committee of PMMMNMTT Scheme

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Dr. Ram Ram, Associate Professor, Department of Teacher Education, CUSB, Gaya
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