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 endeavour, it has significantly achieved a landmark in terms of infrastructure, laboratories, research projects, faculty recruitments, procedural tasks, along with conduction of innovative programmes being offered. With a motto, i.e., 'Gyan Seva Vimuktaye', the University has been conducting its academic and administrative activities in a 300 acre plot of land at Panchanpur (near Gaya City) in Bihar.

About the School of Education

The School of Education in 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 & Pedagogic Studies and Centre for Assessment & Evaluation under PMMMNMTT Scheme, Ministry of Education, Govt. of India.

About the PMMMNMTT

The Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) is Central Govt. scheme. This scheme envisages to address comprehensively all issues related to teacher, teaching, and teachers' preparation and professional development. The scheme focuses holistically in dealing with all the sectors of education (school education, and higher education including technical education) to empower 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 visualization of the inherent characteristics of the raw data and its nature are also an important part of data analysis. Due to the misuse of statistics in research and daily life, Disraeli 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 application with the use of software like MS Excel & SPSS are needed for researchers to analyze the data effectively in terms of speed and accuracy and reduce the possibility of misuse of statistics. Researchers/scientists/independent educational practitioners must 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 aim to transmit the theoretical background of data analysis as well as hands-on experiences and applications of data analysis by using SPSS and Excel. In order to conduct frontline research and publish research articles/papers in reputed journals worldwide, this programme would act as a catalyst for the Professional Development of Teachers of Higher Education Institutions in their respective fields.

Referring to the above context, Department of Teacher Education, School of Education, Central University of South Bihar, Gaya is going to organize the One-Week 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 frontline 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/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. Analysis of Co-Variance (ANCOVA)
7. Regression Analysis
8. Factor Analysis
9. Hands-on activities/experience in data analysis

Organizing Committee

Dr. Ravi Kant, Associate Professor, Dept of Teacher Education, CUSB
Dr. Mitanjali Sahoo, Assistant Professor, Dept of Teacher Education, CUSB
Dr. Rinki, Assistant Professor, Dept of Teacher Education, CUSB
Dr. Chandra Prabha Pandey, Assistant Professor, DTE, CUSB
Dr. Ravindra Kumar, Assistant Professor, Dept of Teacher Education, CUSB
Mr. Kishor Kumar, Assistant Professor, Dept of Teacher Education, CUSB
Dr. Md. Mozammil Hassan, Assistant Professor, Dept of Teacher Education, CUSB
Dr. Nrapendra Vir Singh, Assistant Professor, Dept of Teacher Education, CUSB
Dr. Kavita Singh, Assistant Professor, Dept of Teacher Education, CUSB
Dr. Manish Kumar Gautam, Assistant Professor, Dept of Teacher Education, CUSB
Dr. Swati Gupta, Assistant Professor, Dept of Teacher Education, CUSB
Dr.Chandan Shrivastava, Assistant Professor, Dept of Teacher Education, CUSB
Dr. Samaresh Bharaty, Assistant Professor, Dept of Teacher Education , CUSB
Dr. Sandeep Kumar, Assistant Professor, Dept of Teacher Education, CUSB

दक्षिण बिहार केन्द्रीय विश्वविद्यालय
CENTRAL UNIVERSITY OF SOUTH BIHAR
Gaya-Panchanpur Road, Village- Karhara, P.S. Tekari
District- Gaya (Bihar) PIN- 824236
DEPARTMENT OF TEACHER EDUCATION
SCHOOL OF EDUCATION
organizes
ONE-WEEK
FACULTY DEVELOPMENT PROGRAMME
on
DATA ANALYSIS IN SOCIAL SCIENCE RESEARCH THROUGH SPSS AND EXCEL SOFTWARE
Under
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) Scheme
(Ministry of Education, Govt. of India)
(5th to 9th December 2022)
in
ONLINE MODE

Patron
Prof. Kameshwar Nath Singh
(Hon'ble Vice-Chancellor)
Central University of South Bihar, Gaya

Prof. Kaushal Kishore
Head, Dept of Teacher Education
Dean, School of Education
CUSB

Dr. Tapan Kumar Basantia
Nodal Officer
PMMMNMTT Scheme
Associate Professor, DTE, CUSB

Dr. Tarun Kumar Tyagi
Programme Coordinator
Assistant Professor, DTE, CUSB

Lt. (Dr.) Pragya Gupta
Programme Co-coordinator
Assistant Professor, DTE, CUSB

Executive Committee of PMMMNMTT Scheme

Dr. Tapan Kumar Basantia (**Nodal Officer**, PMMMNMTT Scheme, School of Education, CUSB), Associate Professor, DTE, CUSB
Dr. Ravi Kant (**Member**) Associate Professor, DTE, CUSB
Dr. Tarun Kumar Tyagi (**Co-coordinator** of PMMMNMTT Scheme, Assistant Professor, DTE, CUSB
Dr. Chandra Prabha Pandey (**Member**) Assistant Professor, DTE, CUSB
Lt. (Dr.) Pragya Gupta (**Member**) Assistant Professor, DTE, CUSB

Type of Programme: Faculty Development Programme

Mode: Online

Target Group (Minimum 30 participants):

Faculty Members of Colleges/Universities and other Higher Education Institutions

Registration Fee:

Rs. 750/- per participant

Registration Process:

1. Registration will be done on a first come first serve basis.

2. *A permission letter from the competent authority of the University, Colleges and/or Institution is mandatory for attending this programme.*

Requirement from Participants:

It is requested to all participants that after confirmation of participation through email, you've to be ready with a personal laptop/computer with SPSS and Excel Software installed along with a high-speed internet connection for deriving maximum benefits from the Faculty Development Programme. *Besides this, basic knowledge of statistics is desired to participate in the programme.*

Registration link:

https://forms.gle/evbAGEE5vk4q3wJG6

Important Dates:

Opening the link for Registration: 17.11.2022

Last Date for Registration: 02.12.2022

Date of Confirmation: 03.12.2022

Learning Material for Warmup Exercise: 04.12.2022

Certification:

Attending all the sessions of the programme is compulsory for getting the certificate. Participants will be evaluated in the programme on the basis of their performance on the test and other parameters.

Important:

This programme is valid for promotion under the Career Advancement Scheme (CAS) of UGC Regulations.

Account Details:

Account Name: **PMMMNMTT SOE CUSB**

A/c. No.: **41360094765**

IFSC: **SBIN0061174**

Brach: **SBI, CUSB, Gaya**

Contact Details:

Dr. Tarun Kumar Tyagi: **+91- 8789847951, 9411230445 (W)**

Email: taruntyagi@cusb.ac.in

Lt. (Dr.) Pragya Gupta: **+91- 9508376400**

Email: pragyagupta@cusb.ac.in

Event email: taruntyagiedu@gmail.com

Details are also available at https://www.cusb.ac.in/pmmmnmtt/

दक्षिण बिहार केन्द्रीय विश्वविद्यालय

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One Week
Faculty Development Programme
on
DATA ANALYSIS IN SOCIAL SCIENCE RESEARCH THROUGH SPSS AND EXCEL SOFTWARE

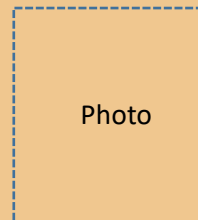**(PMMMNMTT Scheme, Ministry of Education, Govt of India)**
organized by
Department of Teacher Education
School of Education
Central University of South Bihar

REGISTRATION FORM

Photo

Name of the Participant: ....

Gender: Male [----] Female [---] Other [----]

Designation: ....

Department/School/College: ....

Affiliation: ....

Address: ....

Mobile No (Whatsapp No): ....

Email ID: ....

Academic Qualifications: ....

Teaching Experiences: ....

Registration fee Submission Transaction ID No: ....

Date: **Signature of the Participant**

Forwarded by the Head of the Department/Institution

Mr./Ms./Dr. --- (Name), is working as -------------------------------
(Designation) in --- (University/College/Institution).

All the information given above is correct to the best of my knowledge.

Date: **Signature with Seal**

                                                                          Name:_____

Note: Kindly scan and upload the duly filled-in Registration form and signed Payment Confirmation slip at:
Link: https://forms.gle/evbAGEE5vk4q3wJG6

Transaction ID No. would be generated after the submission of the registration fee.