

Workshop-Report



“Fundamentals of Statistics and Data Analysis”

Organized by

Research Centre

*Nehru Gram Bharati (Deemed to be University)
Kotwa-Jamunipur-Dubawal, Prayagraj-221505, U.P*

September 18th to 20th, 2025

Fundamentals of Statistics and Data Analysis

Introduction:

Research Centre, Nehru Gram Bharati (Deemed to be University), Prayagraj, U.P. organized three days' Workshop on “**Fundamentals of Statistics and Data Analysis**” during September 18th to 20th, 2025 for Ph.D. Research scholars and Faculty members. **Dr. D.N. Jha, Agriculture Scientist**, ICAR-Central Inland Fisheries Research Institute, Prayagraj and **Dr. Asheesh Shivam, Director, research Centre**, NGBG(DU), Prayagraj were the resource persons during the period.

No. of Seats: 40 (registered 48)

Diversity of Participant: Faculty members -3, NGB(DU) participants - 43 (Science, Social science and Humanities), University of Allahabad, Prayagraj-2

DAY: I

Inaugural Session: September 18th, 2025, the workshop was inaugurated by Prof. Rohit Ramesh Hon'ble Vice Chancellor of NGB(DU), Dr. D. N Jha, Agri. Statistical Scientist ICAR-CIFRI, Prof. R.C. Tripathi, Prof. In-charge R&D, Dr. Rajesh Tiwari, Daen Academic, Dr. Himanshu Tandon Director IQAC and Dr. Asheesh Shivam, Director Research, NGB(DU), Prayagraj.



Technical Session 1:

Data collection and generation methods

In this session pre-assessment of the participants were made to know about the knowledge of the statistics and software. After this, resources person delivered lecture on data collections and generation methods.

Technical Session II & III: *Graphical representation and Descriptive statistics of data & Basic concept of sampling Techniques*

In these sessions, the basics /advanced knowledge on graphical representation and descriptive

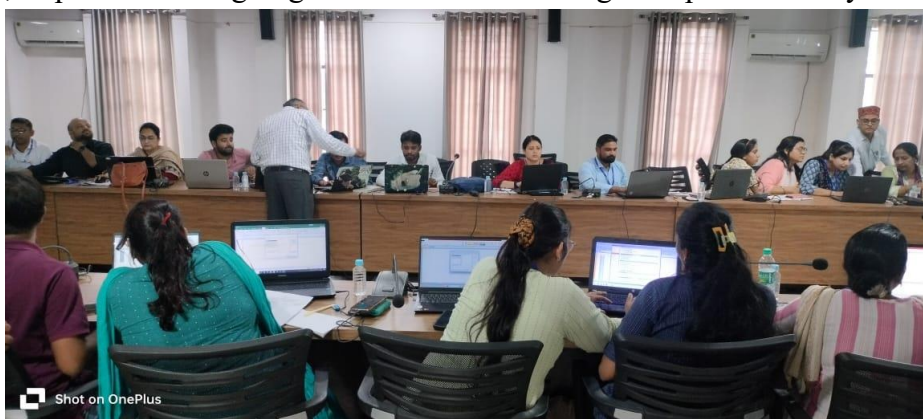
statistics of data & concept of sampling techniques was taken up. Dr. Jha gave lecture on data and its type, sampling, hypothesis, objective framing, sampling rationale, data presentation (table/charts) and use of statistical tools for specific objective and data.

DAY: II

Technical Session: IV, V & V: *Design of Experiments , ANOVA and Hands-on-Training*

In these sessions, experiment designing and hands -on-training was performed by using demo data. Dr. Jha elaborated about the data analysis with various methods i.e descriptive statistics. He also explained about the various methods for testing the original data. He explained about Chi -square test, student t-test and ANOVA, MANOVA etc.

Last session of day 2, R-software (a Programme based software) was demonstrated with their applications. He also emphasized the section of the statistical tools for specific data.



DAY: III

Technical Session: VII & VIII (*Continued Hands-on-Training and introduction of PAST & CANOCO ver.4.5*)

Dr. D.N. Jha continued his previous day training on R -software. He provided R software to all the participants and to upload their laptops/computers to learn the applications of software. He



explained the applications by using demo data.

The last technical session was conducted by Dr. Asheesh Shivam for training to PAST and CANOCO ver. 4.5 software. He explained about both the software for data uploading, data editing, various types of analysis process and interpretation.

Finally, the post training assessment of the participants was conducted as a test to know the achievements after 3 days workshop.

Valedictory Function:

In Valedictory function, Dr. Asheesh Shivam, Director Research Centre shared the outcomes of the workshop. He told about the technical sessions and all the participants were present continuously in every session. The feedback about the workshop was shared by NGB participants and participants from other Institutions. Prof. Rohit Ramesh, Hon'ble Vice Chancellor, NGB(UD) addressed the valedictory function as Chief guest and distributed certificate to the participants. Prof. Vinod Pandey Dean Commerce, Dr. Rajesh Tiwari Daen Academic were also addressed to the participants. Dr. Himanshu Tandon, Director IQAC gave vote of thanks.



Workshop on
“Fundamentals of Statistics and Data Analysis”

Nehru Gram Bharati

(Deemed to be University), Prayagraj, U.P.

Programme Schedule

Day -1		18-09- 2025	Time: 11:00 to 5: 00 pm
10:00-11.00 am		Registration (Kit Distribution)	
Venue: Research Centre, 1 st Floor			
11:00-11:45am		Inaugural Session	
Venue: Arjun Singh Hall, Shashi campus			
Tea Break: 11:45 am			
Venue: Venue: Research Centre Conference Hall (1 st Floor)			
Technical session I &II [12:00-1:30pm] Pre-training Evaluation Title: Data collection and generation methods. Speaker: Dr. D.N. Jha, Sr. Scientist (Statistics), ICAR-Central Inland Fisheries, research Institute, Prayagraj			
Lunch Break: 1:30 pm to 2.00 pm			
Continue.....Technical session I& II [2:00-3:30pm] Title: Graphical representation and Descriptive statistics of data. Speaker: Dr. D.N. Jha, Sr. Scientist (Statistics), ICAR-Central Inland Fisheries, research Institute, Prayagraj			
Tea Break (3:30-3:45)			
Technical Session III [3:30-5:00pm] Title: Basic concept of sampling Techniques Title: Concept of testing of hypothesis and parametric test of significance Title: Correlation and Regression Speaker: Dr. D.N. Jha, Sr. Scientist (Statistics), ICAR-Central Inland Fisheries, research Institute, Prayagraj			

Day 2: 19-9-2025	Venue: Research Centre Conference Hall (1st Floor)
MS Excel, application Session IV [10:00 am-12:00 pm]	
Title: Design of Experiments & ANOVA	
Title: Introduction to R/ MS-Excel for data processing	
Speaker: Dr. D.N. Jha, Sr. Scientist (Statistics), ICAR-Central Inland Fisheries, research Institute, Prayagraj	
Tea Break: 12:00 to 12:15 pm	
Hands-on training Session V [12:15 am-2:00 pm]	
Title: Hands-on R/ Excel for data analysis	
Speaker: Dr. D.N. Jha, Sr. Scientist (Statistics), ICAR-Central Inland Fisheries, research Institute, Prayagraj	
Lunch: [2:00 am-2:30 pm]	
Hands-on training Session VI [2:30 am-4:30 pm]	
Title: Hands-on R/ Excel for data analysis	
Speaker: Dr. D.N. Jha, Sr. Scientist (Statistics), ICAR-Central Inland Fisheries, research Institute, Prayagraj	
Tea Break [4:30 pm]	
Day 3: 20.09.2025	Venue: Research Centre Conference Hall (1st Floor)
Software application Session VII [10:00 am-11:00 am]	
Title: Introduction to PAST	
Speaker: Dr. D.N. Jha, Sr. Scientist (Statistics), ICAR-Central Inland Fisheries, research Institute, Prayagraj	
Software application Session VIII [11:00 am-11:30 am]	
Title: Introduction to CANOCO Ver. 4.5	
Speaker: Dr. Asheesh Shivam, Director Research, Nehru Gram Bharati (Deemed to be University) Prayagraj	
Test/Feedback Session: 11:30-12:30 pm	
Post-training evaluation	
Tea Break: 12:30 -12:45 pm	
Valedictory Functions (12:45 to 1:30 pm)	
Certificate distribution	
Venue: Research Centre Conference Hall (1st Floor)	

Media Coverage

Amar Ujala 19/09/2025

शोध में सांख्यिकी व डेटा विश्लेषण की कार्यशाला का शुभारंभ



नेहरू ग्राम भारती विवि में आयोजित कार्यक्रम में मौजूद अतिथि। स्रोत : विवि झुंसी। नेहरू ग्राम भारती मानित विश्वविद्यालय के शोध केंद्र में बृहस्पतिवार से तीन दिवसीय कार्यशाला 'फंडामेंटल स्टैटिस्टिक्स एंड डाटा एनालिसिस' का शुभारंभ कुलपति प्रो. रोहित रमेश एवं मुख्य अतिथि डॉ. डीएन झा ने किया। कार्यशाला 20 सितंबर तक चलेगी। मुख्य अतिथि ने कहा कि जितनी पुरानी सभ्यता है, उतनी ही पुरानी सांख्यिकी है। सिद्धांत के साथ साथ इसकी व्यावहारिकता और उपयोगिता भी इन तीन दिनों की कार्यशाला में शोधार्थी जानेंगे। कुलपति प्रो. रोहित रमेश ने कहा कि शोध में पक्षपात नहीं शुद्धता जरूरी है। डॉन एकेडमिक डॉ. राजेश तिवारी ने स्टैटिस्टिक्स के दार्शनिक विधा पर चर्चा की। स्वागत संयोजक व शोध केंद्र के निदेशक डॉ. आशीष शिवम ने किया। संचालन डॉ. किरन गुप्ता एवं धन्यवाद ज्ञापन कुलसचिव डॉ. हिमांशु टंडन ने किया। संवाद

Dainik Jagran 21/09/2025



नेहरू ग्राम भारती मानित विश्वविद्यालय में प्रमाणपत्र के साथ विद्यार्थी।
विद्यार्थियों ने जाना डाटा विश्लेषण
प्रयागराज : नेहरू ग्राम भारती मानित विश्वविद्यालय में शोध केंद्र की ओर से तीन दिवसीय कार्यशाला 'फंडामेंटल स्टैटिस्टिक्स एंड डाटा एनालिसिस' का आयोजन किया गया। समापन सत्र में कुलपति प्रो. रोहित रमेश ने सांख्यिकी का शोध में प्रभाव बताया। डा. डीएन झा के शोध छात्रों एवं फैकल्टी सदस्यों ने डाटा एनालिसिस के बारे में जानकारी दी। आपने डाटा डिजाइनिंग एवं सैमल कलेक्शन और उसके विश्लेषण पर प्रकाश डाला। निदेशक शोध केंद्र डा. आशीष शिवम ने सभी का स्वागत करते हुए तीन दिन की रिपोर्ट प्रस्तुत की। डा. राजेश तिवारी, प्रो. विनोद पांडेय, डा. हिमांशु टंडन, डा. मीता तिवारी, डा. श्रवण, डा. यास्मीन बानो, डा. अमिताभ आदि मौजूद रहे।

Three-day workshop at NGBU, concludes



Staff Reporter

Prayagraj: The three-day workshop (September 18-20) on "Fundamental Statistics and Data Analysis" organized by the Research Centre at Nehru Gram Bharati Deemed University (NGBU) concluded on Saturday.

On the occasion, NGBU Vice Chancellor Prof. Rohit Ramesh spoke about the impact of statistics on research. During the three-day workshop, Dr. D.N. Jha, briefed research students and faculty members on data analysis. He elaborated on data design, sample collection, and analysis. Certificates were awarded to participants. In the closing session, Director of the

Research Centre, Dr. Ashish Shivam, welcomed everyone and presented a report on the three-day workshop. Students from Allahabad University and Nehru Gram Bharati University participated in the program.

Dr. Rajesh Tiwari, Prof. Vinod Pandey, Dr. Himanshu Tandon, Dr. Meeta Tiwari, Dr. Shravan, Dr. Yasmin Bano, Dr. Amitabh, and Engineer were present. Ambuj Pandey and Dr. Shweta Tiwari were present. Dr. Kiran Gupta conducted the program. University faculty and research students, along with researchers from other universities, were present on the occasion.