



**GOVT. DEGREE COLLEGE BALDWARA,
DISTT. MANDI (H.P.)-175033**

Organizes

***INTERNATIONAL CONFERENCE ON "APPLICATIONS OF
STATISTICAL METHODS AND DATA VISUALIZATION
FOR HUMANITIES, COMMERCE & MANAGEMENT,
ENVIRONMENTAL AND SCIENTIFIC STUDIES"
(MULTIDISCIPLINARY & IN HYBRID MODE) (7TH
MARCH, 2026)***

Technical Session-1 to 4 (2:45 pm to 4:00 pm) Physical & Virtual

Technical Session-I (Physical) 2:15 pm to 3:45 pm

Venue: Multipurpose Hall

Chairperson: Dr. Sanjay Sharma

Co-Chairperson: Prof. Pyar Chand

S.No.	Name	Title Of Paper	Signature
1	Dr Sunil Kumar	Applications of Statistical Techniques in Social Science Research	
2	Dr. Gulshan Kumar	Soil gas anomalies a statistical tool to locate the fault system beneath the earth	
3	Sachin Kumar Monga	Statistical Detection of Deepfake and Synthetic Media Using Data Patterns and Visualization Techniques	
4	Dr Nancee	Unveiling Statistics: Mathematical Pillars and the Relevance of Primary vs. Secondary Data	
5	VIVEKA NAND SHARMA	Scientific Temper among Students in the Context of NEP 2020	
6	Rajgir Singh	Processes for Academic Writing and Publishing in History Using Secondary Data	
7	Kiran Bala	Almost Hermitian Silver manifolds	
8	Bandna Kumari	Nanofluids: Environmental Applications and Safety Evaluation	
9	Jitender Kumar	Numbers at Work: Statistics for Everyday Science Lessons	
10	Dr. Jai Kiran	Women's Role and Representation in Indian Politics	
11	Anita Kumari	Safeguarding Literary Scholarship: Reputable Journals and Predatory Pitfalls in Humanities and English Literature	

12	Neha Kumari Sharma	Heat and Mass Transfer of Bioconvective in MHD Nanofluid Flow	
13	POOJA DEVI	Data Visualization in Chemistry Using Mathematica	
14	Dr Sunita Saklani	Significance of new quantitative index BEI (Botanical Ethnoknowledge Index) in ethnobotanical study	
15	Dr Shalu Kanwar	Disaster Management: Strategies for a Safer Future	
16	ASHIWANI KUMAR MANDHOTRA	Disaster Management: Interdisciplinary Approaches to Resilience, Recovery, and Risk Reduction	
17	Kanchana Devi	"Applications of SPSS in Business Research"	
18	Ashana Rana	Strategic Journal Selection in Academic Publishing: Evaluating Indexed, Peer-Reviewed, and Predatory Journals	
19	Kumari Neelam	Digitization of Libraries	
20	Pyar chand	Application of statistical methods and data visualization for humanities , commerce and scientific studies	
21	Dr. Sanya Kumari	डिजिटल युग में पुस्तक समीक्षा : ब्लॉग एवं सोशल मीडिया का साहित्यिक अनुशीलन	
22	Sanjay Kumar	Introduction to Research Statistical Analysis: an overview of Basic Concepts.	
23	Meera Sharma	"Reducing Ambiguity in Data Visualization: Best Practices for Accurate and Transparent Data Representation"	

Technical Sessions-2 to 4
(2:45 pm to 4:00 pm) Virtual

Technical Session-2 (Virtual-1) 2:45 pm to 4:00 pm

Venue: Botany Lab

Google Meet Link:

<https://meet.google.com/xoe-umdz-kct>

Chairperson: Prof. Ashiwani Kumar Mandhotra

Co-Chairperson: Dr. Pankaj Thakur

S.No.	Name	Title Of Paper	Remarks
1	Dr Raj Kumar Thakur	RECOGNITION OF TRUE AND FAKE DATA	
2	Dr. Pushpa Yadav	Leveraging Statistical Forecasting and Interactive Dashboards to Optimize E-Commerce Sales and Inventory in Retail	
3	SHIV KUMAR	Quantifying Cultural Transition: Statistical Applications and Data Visualization in the Study of Changing Polyandrous Marriage Systems	
4	Pankaj Thakur	A Book Review, Its Structure and Scholarly Perspective	
5	Varsha Verma	From Concept to Publication: Processes in Proposal Writing and Secondary Data Reporting	
6	Niraj kumar sharma	Application of AI in the field of chemistry	
7	Dr. Sanjay Kumar	Applying Data Handling Tools for Extracting Meaningful Information from Experimental data in chemistry: A Systematic Review	
8	Dr. Pushpa Yadav	Leveraging Statistical Forecasting and Interactive Dashboards to Optimize E-Commerce Sales and Inventory in Retail	
9	Mahinder Singh	Carbon Emission Trends Analysis Based on Intergovernmental Panel on Climate Change Reports	
10	Raghvendra Kumar Gupta	Bridging the Great Divide: The Universal Imperative of Research Methodology and Data Visualization under the NEP-2020 Framework	
11	Dr. Rajneesh Kumar	An Analytical Study of Statistical Mathematics and Data Collection Methods	
12	Anupma Dogra	Numbers in Narratives: The Role of Statistics in Humanities.	
13	Dr. Atul Thakur	Internship, School based projects and TLMs as Pedagogical innovations for Transforming Teacher Preparation through Structured Internship in ITEP	
14	Dr. Kewal Krishan	The Art and Strategy of the Writing Book Review in Social Science	
15	Suresh Kumar	Conceptualizing and Writing a Review Article: Process and Methodology	
16	Dr. Rajinder Singh	Framework and Methodology for Writing and Publishing Academic Documents Based on Secondary Sources	
17	Karam Dutt	Environmental and Scientific study of Sociology	
18	Dr. Khushwant Singh	Predatory Journals: Unmasking the Threat to Indian Academia — A Statistical and Data-Driven Perspective	
19	Vivek Kumar	A Comparative Study of various computational methods in Optimization Techniques	
20	Dr. Vikram Singh Kapil	A Comparative Study Of Various Computational Methods in Optimization Techniques	
21	Dr. Kuldeep Singh Barwal	Evaluating Journal Credibility: From Impact Factor to Indexing Databases	
22	Dr. Amit Kumar	Evaluating Predatory and Indexed Journals in Academic Research	
23	Kaku Ram	Secondary Data as a Methodological Tool in Social Science Research: Processes, Possibilities, and Limitations	
24	Raj Kumar	Soil gas anomalies a statistical tool to locate the fault system	

		beneath the earth	
25	Yash Pal	From transactions to insights: Advanced data analytics framework for predictive decision making in modern commerce	

Technical Session-3 (Virtual-2) (2:45 pm to 4:00 pm)

Venue: Physics Lab

Google Meet Link:

<https://meet.google.com/bio-nmak-sct>

Chairperson: Prof. Sachin Monga

Co-Chairperson: Prof. Pooja Devi

S.No.	Name	Title Of Paper	Remarks
1	Priya	Bio-based Active Food Packaging: Starch-based Blends for Diverse Packaging Applications	
2	SHIVANI JAMWAL	“Applications of Statistical methods and Data visualization for humanities, Commerce & Management, Environmental and Scientific studies.”	
3	Dr. Surya Kant Dhiman	Polymer Modification (Grafting) Research Tools	
4	Ripan Kumar	Sol-gel Synthesized Co-doped ZnO Nanoparticles for Efficient Solar Light Assisted Photocatalytic Degradation of Organic Pollutants	
5	Dr. Sandeep Kumar	An Overview of Report Writing and Academic Writing	
6	MANUJENDRA KUMAR PRAJAPATI	“Interdisciplinary Applications of Statistical Methods and Data Visualization in Humanities, Commerce, Environmental and Scientific Research”.	
7	Dr. Anjna Kumari	संस्कृत साहित्य शोध में डेटा प्रस्तुति	
8	Dr. Rakesh Kumar	Statistics: Its mathematical components, primary and secondary data "	
9	Deepali Dhiman	A Thermoacoustical Approach to Molecular Interactions in Organic Salts	
10	Anil Kumar	Exploring Generalizations and Extensions of Algebraic Structure of Groups	
11	Reena Devi	“Humanities and Social Transformation: Ideas, Identity, and Culture”	
12	Dr Vikas K Guleria	Environmental Impact of Heavy Metals in the BBN Industrial Corridor	
13	Dr. Rajinder Singh	Framework and Methodology for Writing and Publishing Academic Documents Based on Secondary Sources	
14	Dr. Manish Kumar	Six-Membered Oxygen-Containing Heterocycle Synthesis: 2H-xanthen-1,8(5H,9H)-dione derivatives from different Cyclohexane-1,3-dione	
15	Aditya Bhan Ojha	Applications of Representation Theory to Probability and Statistics	
16	Ritika Rani	Challenges Faced by Researchers in Selecting Indexed Journals	
17	Anirudh Singh	Data Visualization in Chemistry Using Mathematica	
18	Dr. Manoj Kumar Kahol	Comparative Study of Scopus, Web of Science and UGC-CARE Indexed Journals: Selection Challenges for Researchers	
19	Dr. Raman Kumar	Awareness and Selection Criteria of Peer-Reviewed, Indexed, and Predatory Journals among Early Career Researchers: A Consultancy-Based Framework	

20	Anil Kumar	Network Data Visualization: A Spectral Graph Theory Approach	
21	Rakesh Kumar	Statistical Analysis and Visualization of Local Climate Trends	
22	Santosh Kumar	Statistical Methods and Visual Analytics for the Recognition of True and Fake Data Across Interdisciplinary Domains	
23	Dr. Subhash chandra	Implementation Challenges of Internship Modules in Rural Government Degree Colleges: A Case Study of Himachal Pradesh under NEP 2020.	
24	Dr.Rekha Gupta	Process to Write Proposal	
25	Nikhil Prashar	From Genes to Signals: Evolution of Pheromone Receptors in Model Insects	
26	Ruchi Sangal	Study on bioaccumulation of heavy metals by earthworms species in contaminated sites of Dist. Hamirpur (H.P)	
27	Anjna kumari	Study on bioaccumulation of heavy metals by Earthworms species in contaminated sites of Distt-Hamirpur	
28	Meera Sharma	"Reducing Ambiguity in Data Visualization: Best Practices for Accurate and Transparent Data Representation"	
29	Dr Maheshwar Singh	A Review of statistical methods and visualization techniques in data science	
30	Dr. Tanu Kalsi	Reducing Ambiguity in Data Visualization: Best Practices for Accurate and Transparent Data Representation	

Technical Session-4 (Virtual-3) (2:45 pm to 4:00 pm)

Venue: Commerce Dept.

Google Meet Link:

<https://meet.google.com/ygc-syzs-nxy>

Chairperson: Prof. Rajgir Singh

Co-Chairperson: Prof. Kanchana Devi

S.No.	Name	Title Of Paper	Remarks
1	Dr. Alka Rani	Evaluating the role of Internship programs in education in reference to NEP-2020	
2	Bhagwati Prashad Sharma	Significance of new quantitative index BEI (Botanical Ethnobotanical Index) in ethnobotanical study	
3	Komal Thakur	Analysis of Length-Weight Relationship of Freshwater Fish Species	
4	Manorama Devi	Recognition of true and fake data.	
5	Dr. Harvinder Singh	Environmental Impact of Heavy Metals in the BBN Industrial Corridor	
6	Dr. Pooja Kashyap	Role of Statistical Methods and Data Visualization in Promoting Environmental Awareness	
7	Dr. Krishan Lal	Methodology in Reproductive Biology of Fishes	
8	Neha Choudhary	Climate Change and its Impact on Insect Diversity: Patterns, Mechanism and Conservation Strategies	
9	Neenu Daroch	Species diversity and Conservation status of Ensiferan Orthopterans in Grassland and Forest ecosystems	
10	Aryan Thakur	Edible Biofilms as Eco-Friendly Alternatives for Food Packaging	
11	Dr. Mohinder Kumar	Transforming Higher Education through Internships and Research: A Vision of NEP 2020	
12	Dr. Ramesh Kumar	Statistical Methods and Data Visualization for Interdisciplinary Research	
13	Dr. Naresh Kumar	Statistical Analysis and Visualization Tools in Modern Physics	
14	Divyam Negi	Earthworm Diversity as a Bioindicator of Soil Health in Forest and Agricultural Ecosystems of Hamirpur District, Western Himalaya, India	
15	Radhika	From Data to Discourse: Evaluating the Impact of SPSS on the Rigor of Academic Writing	
16	Mukesh Kumar	Statistical analysis and visualization tools in modern physics	
17	Ravi Dutt	Ensuring Data Authenticity: Tools and Verification Strategies	
18	Shivani Sharma	Effects of Probiotics on Sustainable Aquaculture: Performance and Disease Resistance	
19	Tamna Guleria	Regulatory network involved in the induction and treatment of schizophrenia in mammalian species	
20	Dr. Shakti Chand	Applications of SPSS in Business Research	
21	Ms. Pooja Kumari	Comprehensive Guidelines for Writing an Effective Review Article in Academic Research	
22	Dr. Asha Devi	Comprehensive Guidelines for Writing an Effective Review Article in Academic Research	
23	Jyoti	Role of Vermicomposting in Sustainable Waste Management	
24	Ankit Rana	Thermoelastic-Fluid Interaction in Vibrating Annular Plates.	

25	AVNEESH KUMAR	Role of Nanoparticles in Photocatalysis of Water	
26	Dr. Deep kumar	Literature, Culture and Society: Contemporary Research Perspectives and critical discourses	
27	Neha Thakur	Review of Natural Radioactivity in Himachal Pradesh, India	
28	Dr. Punam Kumari	Review paper of natural radioactivity in the tectonic active zone NW Himalaya	

Technical Session-5 (Virtual-4) (2:45 pm to 4:00 pm)

Venue: IT Lab

Google Meet Link:

<https://meet.google.com/ues-ujqx-tic>

Chairperson: Prof. Shalu Kanwar

Co-Chairperson: Prof. Sanya

S.N o.	Name	Title Of Paper	Remarks
1	Ankit Rana	Thermoelastic–Fluid Interaction in Vibrating Annular Plates.	
2	Dr. Arti Sharma	Application of Statistical Methods in Life Sciences	
3	Dr. Kavita Kumari	Capital Market Expansion and Investor Participation in India: An Analysis of Equity and Debt Issuances Over the Last Decade	
4	Dr. GAURAV SHARMA	Capital Market Expansion and Investor Participation in India: An Analysis of Equity and Debt Issuances Over the Last Decade	
5	Dr. Vikrant Saklani	Capital Market Expansion and Investor Participation in India: An Analysis of Equity and Debt Issuances Over the Last Decade	
6	Dr. Shavnam Sharma	Role of Statistical Data Analysis in Strengthening the Research Component of the Four-Year Degree Programme under NEP 2020	
7	Dr. Sharda Verma	Visualizing the Past: Integrating Statistical Methods and Data Visualization in Historical and Interdisciplinary Research	
8	Mohan Lal	Gravity model estimation of bilateral trade in the era of digital globalization.	
9	Dr. Shweta Pathania	Thermoelastic–Fluid Interaction in Vibrating Annular Plates.	
10	Dr. Sandeep Kumar	Transforming Higher Education through Internships and Research: A Vision of NEP 2020	
11	Dr. Kultaran Kumari	Research and Internship Integration in Undergraduate Mathematics: An NEP 2020 Perspective	
12	Jyotsana Sharma	"A Review on Machine Learning Techniques for material property exploration"	
13	Dr. Hansa Devi	Statistical Approaches for Monitoring and Assessment of Environmental Pollution	
14	Dr. Naresh Kumar	Evaluating the Multidisciplinary Four-Year Undergraduate Programme under NEP 2020	
15	Dr Anita	Altitudinal Variation in Phytoconstituents of Plant Cassia tora by a Multivariate Data Analysis Approach	
16	Dr. Nishu Sharma	"Integrating Descriptive and Inferential Statistics with Data Visualization: Fundamentals and Best Practices"	
17	Dr. Subhash Verma	From Sources to Scholarship: Methodological Pathways for Writing Proposals, Review Articles and Book Reviews Using Secondary Data	
18	Dr Avinash kaur	Chemometric Analysis of Physicochemical Properties of Honey Collected from Different Regions.	

19	Kartikey	Applying Structural Equation Modeling to Evaluate the Intention-Behavior Gap in Sustainable Apparel	
20	Akanksha Kesarwani	Applying Structural Equation Modeling to Evaluate the Intention-Behavior Gap in Sustainable Apparel	
21	Dr. Rishi Kant	Applying Structural Equation Modeling to Evaluate the Intention-Behavior Gap in Sustainable Apparel	
22	Dr. Neel Kant Sharma	Review Articles in Research: Conceptual Foundation, Methodological Approaches and Role in Advancing Scientific Knowledge	
23	Babli Joshi	Statistical analysis and data visualization in understanding social support among AIDS patients: A Sociological study	
24	Dr. Vijayata Pathania	Thermoelastic–Fluid Interaction in Vibrating Annular Plates	
25	Dr. Prince Thakur	Statistical Evaluation and Quantitative Ethnobotany of <i>Justicia adhatoda</i> L. in Hamirpur and Bilaspur Districts, Himachal Pradesh	
26	Dr. Subhash Chandra	"Implementation Challenges of Internship Modules in Rural Government Degree Colleges: A Case Study of Himachal Pradesh under NEP 2020."	
27	Dr. Nikhil Kumar	Use of Digital Tools in Education	
28	Tarsaim kumar	From Theory to Practice: Contemporary Research Trends in Humanities and Social Sciences	
29	Dr. Mayank Rana	From Theory to Practice: Contemporary Research Trends in Humanities and Social Sciences	
30	Dr Banita	"Statistical Analysis of Ragas in Indian Classical Music"	

Technical Session-6 (Virtual-5) (2:45 pm to

4:00 pm) Venue: R.N. 208

Google Meet Link:

<https://meet.google.com/ddj-eacm-obs>

Chairperson: Dr. Jai Kiran

Co-Chairperson: Anita Kumari

S.No.	Name	Title Of Paper	Remarks
1	Ruchi Sangal	Study on bioaccumulation of heavy metals by earthworms species in contaminated sites of Dist. Hamirpur (H.P)	
2	Anjna kumari	Study on bioaccumulation of heavy metals by Earthworms species in contaminated sites of Distt- Hamirpur	
3	Bhavika Thakur	The Standard Model of Particle Physics	
4	Dr Maheshwar Singh	A Review of statistical methods and visualization techniques in data science	
5	Dr. Tanu Kalsi	Reducing Ambiguity in Data Visualization: Best Practices for Accurate and Transparent Data Representation	
6	Dr. Deep kumar	Literature, Culture and Society: Contemporary Research Perspectives and critical discourses	
7	Neha Thakur	Review of Natural Radioactivity in Himachal Pradesh, India	
8	Dr. Punam Kumari	Review paper of natural radioactivity in the tectonic active zone NW Himalaya	
9	Sangeeta Kumari	A review paper of natural radioactivity in the tectonics active zone NW Himalayas	
10	Lt. Renu Dogra	A review of Advancements in AI Driven Post Disaster Management Systems for Enhanced Preparedness and Response	
11	Mr. Pankaj Gupta	Statistical Methods in Biodiversity Assessment and Their Significance in Anthropocene	
12	Kanchan Parmar	Recognition of True and Fake Data	
13	Dr. Ram Lal Bhardwaj	Statistical Forecasting of Rainfall for Crop Planning: Evidence from Himachal Pradesh	