



**PG DEPARTMENT OF STATISTICS
SAMBALPUR UNIVERSITY**

**A ONE DAY INTERNATIONAL SEMINAR
ON
APPLICATIONS OF STATISTICAL COMPUTING & DATA ANALYTICS-2022
(ASDA-2022)
ON THE OCCASION OF NATIONAL STATISTICS DAY
JUNE 29, 2022**

PROGRAMME SCHEDULE

7 AM-11 AM : REGISTRATION & REFRESHMENT

VIRTUAL MODE

7 AM-11 AM : PLENARY SESSION-I

Dr. Arinjita Bhattacharya
Prof. Rudra Prakash Pradhan
Dr. Chittaranjan Sharma
Dr. Tanujit Chackraborty

9.15 AM -10 AM : TECHNICAL SESSION-I PAPER PRESENTATION

PHYSICAL MODE

11 AM -8.00 PM BIJU PATNAIK AUDITORIUM, SAMBALPUR UNIVERSITY

11 AM – 12 NOON : INAUGURAL MEETING

12 NOON – 12.10 PM : NATIONAL STATISTICS DAY Prof. Somanath Bagh

12.10 PM-4.00 PM : PLENARY SESSION-II

12.10 PM-1.00 PM : LUNCH Dr. Gopal Prasad Roy

1.00 PM – 2.00 PM

2.00 PM – 4.00 PM PLENARY SESSION-II Continued.....

Prof. Samarjit Kar
Prof. Udaya Shankar Mishra
Prof. Sanjay Kumar Mohanty

4.00 PM – 6.00 PM : TECHNICAL SESSION-II PAPER PRESENTATION

6.00 PM – 6.30 PM : SNACKS & TEA

6.30 PM – 7.00 PM : VALEDICTORY SESSION

7.00 PM – 8.00 PM : CULTURAL PROGRAM



**A ONE DAY INTERNATIONAL SEMINAR ON
APPLICATIONS OF STATISTICAL COMPUTING & DATA ANALYTICS-2022
(ASCD-2022)
DEPARTMENT OF STATISTICS
SAMBALPUR UNIVERSITY**

29th JUNE 2022

Date: 29 – 06 – 2022		
7.00 – 11.00 A.M.	Registration	Time: 11.00 – 12.00 P.M. Venue: Biju Pattanaik Auditorium
	Plenary Session-1 & Technical Session-1	
	Inaugural	
11.00 – 11.05 A.M.	Lighting of the Lamp	
11.05 – 11.15 A.M.	University Anthem & Welcome Song by the Students	
11.15– 11.20 A.M.	Prof. Sanjat K. Sahu, Ex-Chairman, P.G. Council, Sambalpur University, will preside over the meeting	
11.20 – 11.25 A.M	Welcome address and Introduction of the Guests by Convener Prof. Monalisha Pattnaik	
11.25 – 11.30 A.M	Felicitation of the Guests	
11.30 – 11.35 A.M	Release of Souvenir-cum book of Abstract	
11.35 – 11.40 A.M	Address by the Chief Guest, Prof. Sanjiv Mittal, Vice-Chancellor, Sambalpur University	
11.40 – 11.45 A.M	Address by the Guest of Honor, Dr. Nruparaj Sahu, Registrar, Sambalpur University	
11.45 – 11.50 A.M	Address by the Guest of Honor, Prof. Sanjukta Das, Chairman, P.G. Council, Sambalpur University	
11.50 – 11.55 A.M	Address by Chief Speaker, Prof. Banshidhar Majhi, Vice-Chancellor, VSSUT, Burla	
11.55 – 12.00 P.M	Presidential Address by Prof. Sanjat K. Sahu, Ex-Chairman, P.G. Council, Sambalpur University	
12.00 – 12.05 P.M	Vote of thanks by Mr. Umakanta Sahoo, Assistant Prof., P.G Dept. of Statistics, (Seminar Coordinator)	

Special talk on Occasion of National Statistics Day, 2022			
Sl.No.	Speaker	Title	Time: 12.05 – 1.00 P.M. Venue: Biju Pattanaik Auditorium
1.	Prof. Somanath Bag	National Statistics day	Chair: Prof. Prasant K Ray
2.	Dr. Gopal Prasad Ray	Modelling and Simulation	

Breakfast: 9.00 – 10.00 A.M.

Plenary Session-1(Virtual Mode)			Time: 7.00 – 9.00 A.M.
	Speakers	Topic	Chair: Prof. Monalisha Pattnaik, Ms. Udeechee, Mr. Umakanta Sahoo
1.	Dr. Arinjita Bhattacharya	Bayesian Inference Methods for Generalized Linear Models with Shrinkage Priors and Data Augmentation	
2.	Prof. Rudra Prakash Pradhan	The Lead–Lag Relationship between Spot and Futures Prices in Commodity Markets	
3.	Dr. Chittaranjan Sharma	Optimization Technique	
4.	Dr. Tanujit Chakraborty	A Tour to Business Forecasting: Past, Present and the Future	

Plenary Session-2			Time: 2.00 – 4.00 P.M.
	Speakers	Topic	Chair: Prof. Somanath Bagh & Prof. Sabita Sahoo
1	Prof. Samarjit Kar	The Effect of Valuation of Product Based on Price, Warranty Period and Product Insurance Coverage in a Supply Chain Management	
2.	Prof. Udaya S Mishra	The Evolving Data Eco-System and the Statisticians	
3.	Prof. Sanjay K Mohanty	Estimating Multidimensional Poverty using Micro Data in India	

Technical Session-1 (Virtual Mode)			Time: 9.00 – 11.00 A.M.
Sl.No.	Presenting Author	Title of Papers	Venue: Biju Pattanaik Auditorium
1.	Dimpal Pathak	The Trimodal Skew Logistic Distribution: Properties and Application	Chair: Dr. G P Roy
2.	Sangram Padhy	NPA: A Threatening Force for the Indian Banking Industry	
3.	Dr. Ajanta Nayak	Artificial Intelligence: A Cyberage Tech Tool to fight against Malnutrition	

4.	Ayushi Das	Predicting the Risk Factors of Hypertension among Indian Older Population Using Machine Learning Methods	Chair: Prof. Sanjay K Mohanty
5.	Ujjwal Das	Prevalence and Risk Factor of Diabetes among the Elderly People in West Bengal: Evidence-Based LASI 1st Wave	
6.	Soumya Ranjan Nayak	Status of Malnutrition among children in tribal regions of India: An evidence from NFHS-5 (2019-21)	
7.	Sanjay Kumar Pal	Examining the linkages between High-risk fertility behaviour and Anaemia among ever-married women (15-49 years) in India: A study based on NFHS-5 (2019-21)	

Lunch: 1.00 – 2.00 P.M.

Technical Session-2			Time: 4.00 – 6.00 P.M.
Presentation & discussion: 7 Mins (5 min+2 min)			
Sl. No.		Title of Papers	Venue: Biju Pattanaik Auditorium
1.	Dr. Sabitri Majhi	Practices adopted by the Faculties to Increase Research Impact, visibility and Citations of their research work: A Case study of the Sambalpur University	Chair: Prof. Arun Kumar Acharya
2.	Suvashri Suvadarsini	Anatomy of Nutritional prosperity in Odisha	
3.	Shikhalal Danee	A Study on Nutritional status of school going children in 6-12 years	
4.	Dr. Manoj Kumar Behera	Effect of e-lifestyle factors of e-tailing consumer behaviour on shopping intention with the moderating role of demographic factors- An empirical study using PROCESS	
5.	Suru Munda	A Block Level Statistical Analysis of Regional Inequalities in Agricultural Developments of Western Odisha Districts	Chair: Prof. Udaya S Mishra

6.	Deepak Kumar Behera	A statistical investigation of the impact of social networking sites on students' Psychosomatic health in Western Odisha Universities	Chair: Prof. Sudhir Kumar Sahu & Dr. D K Mahalik
7.	Snigdha Panda	Child Mortality and Its risk factors in Rural India: An Analysis of NFHS Data	
8.	Namita Rani Mall	Application of the P-Median Problem in Blood Bank Allocation-An empirical study in western region Odisha	
9.	Kailash Chandra Nayak	A Fuzzy Optimization Inventory Model for Allowable Shortage	
10.	Sourav Kumar Patra	A Fuzzy Inventory Model for Deteriorating Items having Power Demand Pattern with Imprecise Costs	
11.	Nirupama Sahoo	A chain PRODUCT-TYPE exponential estimator for population mean in TWO PHASE SAMPLING	
12.	Dr. Saroj Kumar Singh	Classical and Bayes estimation of traffic intensity in Geo/D/1 queue	
13.	Iswar Baitharu	Impact of seasonal variation on water quality parameters and cyanobacterial diversity of Hirakud Reservoir, Sambalpur, Odisha	Chair: Dr. A K Tripathy
14.	Dr. Shree Kanungo	Evolution Of Entertainment- A Trend Analysis	
15.	Ananya Biswal	ARIMA Modelling On Covid-19 Cases Of Top Most Affected States Of India Including Odisha	
16.	Ashish Kumar Mishra	Low-Illuminated Image Enhancement Using Fusion based Log-Transform, CLAHE and Dehazing Techniques	Chair: Prof. P K Naik
17.	Mirza Azzaruddin Bayg	Underwater Image Enhancement based on Fusion Techniques	
18.	Bishwa Ranjan Das	Mathematical Analysis of Stochastic Odia Part of Speech Tagger	
19.	Prasanta Kumar Patra	Developed a Spatio-Analyst tool for retrieving Land surface temperature (LST), Normalized difference vegetation index (NDVI), Normalized Difference water Index (NDWI), Normalized Difference Built-up Index (NDBI) From Landsat-8 Satellite image	

20.	Chandan Kumar Bal	Analyzing Stock Price Through Random Forest Algorithm And Support Vector Machine	Chair: Prof. P Gahan & Dr. T K Das
21.	Dr. Anuradha Samal	Herd Behavior In The Indian Stock Market: A Study On Past Two And Half Decades	
22.	Prem Purusottam Jena	Stock Market Prediction Using Soft Computing Models	
23.	Tushar Kanta Sethy	Banking system stability and economic sustainability: A panel data analysis of the effect of banking system stability on sustainability of SAARC countries	
24.	Monalisa Pattanayak	Organizational Communique to Stakeholders on Digital Marketing of Mutual Funds in India - A Text Mining Approach	Chair: Prof. Biswajit Satpathy & Prof. P C Tripathy
25.	Sanjaya Jena	A Comparative Analysis of Performance of Indian Public Sector Banks, Domestic Private Banks and Foreign Private Banks	
26.	Pritipadma Sahu	Sector wise Gross Value Added(GVA) in Odisha: A Statistical Analysis	
27.	Sanjukta Mohanty	Recovery of Non-Performing Assets through Insolvency and Bankruptcy Code in Indian Banks: A Comparative Analysis	
28.	Dr. Diptirekha Mohapatra	An Analysis Of The Rising Trends Of (POCSO) Cases In Sambalpur District	Chair: Dr. Ranjan K Sahoo
29.	J.K. Mantri	Efficiency of higher education: DEA approach	
30.	Upendra Kumar Sahoo	A Statistical Tropical Cyclone Intensity Prediction Model for North Indian Ocean(NIO)	
31.	Seema Gartia	A New Approach to Solve Assignment Problem	
32.	Subhashree Sarangi	Detection of Nuclear Cataract Disease in Retinal Image and Classification	
33.	Sibarama Panigrahi	Studies on Statistical and Machine Learning Models for Streamflow Forecasting	
34.	Sangeeta Singh	Waste Management Practices and The Awareness Of Rural Women: Problems And Benefits	Chair: Dr. R Gartia
35.	Supriya Harichandan	Indian system of Alternative and Traditional medicines: A case study in Bhubaneswar	
36.	Trupti Pradhan	Assessment of self-care practices among type-2 diabetic patients and its correlation with different variables	

**Winding Up Session & Vote of Thanks by Ms. Udeechee (Seminar coordinator),
Assistant Prof. P.G. Department of Statistics, Sambalpur University**

Snacks & Tea: 6.00 – 6.30 P.M.

**Cultural Program by the Students of P.G Department of Statistics, Sambalpur
University: 6.45 – 8.00 P.M.**