International Conference on Recent Advances and Innovative Statistics with Enhancing Data Science (IC-RAISE DS) Organized by VIT-AP University in Conjunction with 45th Annual Convention of ISPS during 22- 24, December 2025.

22 December 2025- Monday

Time	Event	Venue
8:00 am- 9:30 am	Registration	**AB2: Entrance**
9:30am- 11:00 am	Inauguration	**TP Auditorium**
11:00 am- 11:45 am	Keynote Address I: Speaker: Prof. B. L. S. Prakasa Rao Title of Talk: Big Data - Fundamentals	**TP Auditorium**

11:45 am- 12:00 noon
TEA BREAK
AB2: 2nd Floor Corridor

Endowment Lecture 1

Time	Endowment Lecture (22EL:1)	Venue
12 noon- 1:30 pm	Chair: Prof. Ashis SenGupta Co-chair: Dr. Ravi Kumar Bandaru	**AB2**:212
Prof. Ravanan Endowment Lecture		
Prof. David Hanagal	Analysis of Kidney Infection Data Using Correlated Compound Geometric Frailty Models	
Prof. P V Sukhatme Endowment Lecture		
Prof. Syamala Krishnannair	Fault Detection and Diagnosis in Multivariate Processes Using SSA-Based Functional PCA with Biplots and Contribution Analysis	
Prof. Ashis SenGupta Endowment Lecture		
Prof. Kartlos J Kachiashvili	Review of the Problems Solved Using the Constrained Bayesian Methods	

Invited Sessions 1

Time	Invited Session (22IS1:1)		Venue
12 noon- 1:30 pm	Chair: Prof. D. K. Ghosh Co-chair: Dr. Komandla Mahipal Reddy		**AB2**:214
Speaker	**Title**		
Prof. Shalabh	Statistical Data-Driven Modelling and Forecasting		
Prof. K. M. Sakthivel	A Dual-Phase Threshold Selection Approach in GARCH–EVT Modeling for Financial Risk Estimation		
Prof. B. S. Biradar	MLE and Bayesian Inference for the Exponential Distribution Using Maximum Ranked Set Sampling with Unequal Sample Sizes		

Time	Invited Session (22IS1:2)		Venue
12 noon- 1:30 pm	Chair: Prof. A Rajagopal Co-chair: Dr. Francis P		**AB2**:216
Speaker	**Title**		
Dr. Neha Garg	Calibration Estimation of Population Mean Under Stratified Ranked Set Sampling		
Dr. G. Madhu Sudhan	Scalable Statistical Modeling of Discrete and Censored Outcomes Using Logit, Probit, and Tobit Techniques		
Dr. Gokul Yenduri	TBA		

Time	Invited Session (22IS1:3)		Venue
12 noon- 1:30 pm	Chair: Prof. R. Vishnu Vardhan Co-chair: Dr. Ramesh Arumugam		**AB2**:218
Speaker	**Title**		
Prof. C. Satheesh Kumar	On Bivariate Random Sum Models		
Prof. Devendra Kumar	An extension of Log-Logistic distribution: Properties and different methods of estimation with application		
Dr. Abhay Pratap Pandey	Generalised class of estimators for estimation population mean in presence of missing information		

Time	Invited Session (22IS1:4)	Venue
12 noon- 1:30 pm	Chair: Prof. Sibi Chakkaravarthy S Co-chair: Dr. Gokulnath M	**AB2**:220
Speaker	**Title**	
Prof. V. M. Chacko	Identifying the Most Important Module in a Multistate Reliability System	
Prof. Khadar Babu Sk	Advanced Regression Models under Bayesian Environment	
Dr. Sridhar Akiri	Flexible Three-Parameter Distributions for Modeling Pollutant Concentrations in Urban-Industrial Air Pollution: A Case Study of Visakhapatnam, India	

1:30 pm- 2:30 pm
LUNCH BREAK
SAC Building

Plenary Talk

Time	Plenary Talk (22PT1)	Venue
2:30 pm- 3:30 pm	Chair: Prof. Syamala Krishnannair Co-chair: Dr. Nadiminti Nagamani	**AB2**: 212
Speaker	**Title**	
Prof. Sanjib Basu	Approaches to High-Dimensional Joint Modeling with applications in Age Related Macular Degeneration (AMD)	
Prof. Debasis Kundu	Bivariate Semi-Parametric Model: Bayesian Inference	

Invited Sessions 2

Time	Invited Session (22IS2:1)	Venue
2:30 pm- 3:30 pm	Chair: Prof. Devendra Kumar Co-chair: Dr. Ravi Kumar Davala	**AB2**: 214
Speaker	**Title**	
Prof. B. Muniswamy	Censored Count Data Regression Models for Fertility Patterns	
Prof. Gajendra K. Vishwakarma	Missing Data Imputation and Fitting Models	

Time	Invited Session (22IS2:2)	Venue
2:30 pm- 3:30 pm	Chair: Prof. T. V. Ramanathan Co-chair: Dr. Satyanarayana Badeti	**AB2**: 216
Speaker	**Title**	
Prof. D. K. Ghosh	Variance balanced block designs with repeated blocks using factorial and confounding factorial designs	
Prof. GVSR Anjaneyulu	TBA	

Time	Invited Session (22IS2:3)		Venue
2:30 pm- 3:30 pm	Chair: Prof. Shalabh Co-chair: Dr. Varunkumar Merugu		**AB2**: 218
Speaker	**Title**		
Prof. A. Rajagopal	Machine Learning–Assisted Classification and Prediction of Urinary and Bowel Disorders in Women		
Prof. V S Vaidyanathan	Functional Data Clustering with an Application to Spatiotemporal PM2.5 Analysis		

Time	Invited Session (22IS2:4)		Venue
2:30 pm- 3:30 pm	Chair: Prof. K. M. Sakthivel Co-chair: Dr. Kottu Durga Prasad		**AB2**: 220
Speaker	**Title**		
Dr. Arunabha Majumdar	A Multi-Phenotype Approach to Joint Testing of Main Genetic and Gene-Environment Interaction Effects		
Prof. Sibi Chakkaravarthy S	Zero day-AI		

3:30 pm- 4:00 pm
TEA BREAK
AB2: 2nd Floor Corridor

Contributory Sessions 1

Time	Contributory Session (22CS1:1)		Venue
4:00 pm- 6:00 pm	Session Title: Biostatistics Chair: Dr. Prafulla Kumar Swain Co-chair: Dr. Faizan Danish		**AB2**:212
Abstract ID	**Authors**	**Title**	
BS-0003	Bikram Mahapatra	Modeling Mental Health Transitions among Indian Adolescents Using a Constrained Markov Multinomial Logit Framework: Evidence from the UDAYA Longitudinal Study	
BS-0004	Bandreddi Adithya	FedViT-CNN-ECA: A Hybrid Convolutional and Transformer Network with Efficient Channel Attention for Brain Tumor MRI Classification	
BS-0008	Neha Shukla	Accelerated Failure Time Models for Survival Prediction in Breast Cancer Patients	
BS-0009	Amritendu Bhattacharya	Applications of Frequentist and Bayesian Restricted Mean Survival Time (RMST) in Clinical Trials and Evidence Synthesis	

BS-0011	Subhadra Priyadarshini	Modeling Long-Term Survival in Breast Cancer Using a Flexible Parametric Cure Model
BS-0012	Ningombam Sanajaoba Singh	Survival Analysis of Socio-Demographic Factors Influencing Birth Interval in Manipur
BS-0013	N. Sharat Singh	Socio-Demographic Determinants of Unwanted Fertility Among Women in Manipur
BS-0014	Grace Sobika M	Study on Survival Patterns in Chronic Kidney Disease Patients using the Weibull Distribution
BS-0015	Krupa Jinsa Jigy	Joint Modeling of Longitudinal and Survival Data For Dynamic Prediction
BS-0016	Amala Baby	Actionable Risk Stratification in Colorectal Cancer Using Ensemble Machine Learning for Personalized Prognosis.

Time	Contributory Session (22CS1:2)	Venue
4:00 pm- 6:00 pm	Session Title: Statistical Quality Control Chair: Dr. Abhimanyu Singh Yadav Co-chair: Dr. Shalini Thakur	**AB2**:214

Abstract ID	Authors	Title
SQ-0001	Praveen George	A Statistical Process Control Framework for analysing Non-Stationary Atmospheric Data
SQ-0009	Mynarani M	Acceptance Sampling Procedure based on Bivariate Poisson Distribution with special emphasize on lifetime of a product following Discrete Poisson-Lindley Characteristics
SQ-0012	Sudharson K	Control Chart for Attributes based on the Rayleigh Distribution: Enhanced Reliability Monitoring and ARL Sensitivity Analysis under Time – Truncated Life Test
SQ-0013	Kesavan C	A Systematic Analysis of Acceptance Sampling Procedures Based on Control Charts for Attributes with Percentile Estimation of Product Reliability Following Exponentiated Rayleigh Time Truncated Life Testing
SQ-0014	Nithyasri G	On Designing Reliability Acceptance Sampling procedures under Bivariate Intervened Poisson distribution conditions following percentiles of certain lifetimes distributions
SQ-0017	Shradha Patil	Control Charts based on L-Statistics for Process Location

SQ-0018	Bijjargi Shrinath Mahadev	Robust Regression control charts for profile monitoring
SQ-0019	Kodali Divya	A New Generalization of the Zubair – G Distribution with Baseline: Pareto
SQ-0021	R. Soundharya	A Neutrosophic Fuzzy Attribute Acceptance Sampling Plan Using Weighted Binomial Distribution for Quality Control under Uncertainty
SQ-0022	Dr. Dadasaheb G. Godase	A two-sided SPRT control chart for process mean

Time	Contributory Session (22CS1:3)	Venue
4:00 pm- 6:00 pm	Session Title: Reliability & Survival Analysis Chair: Prof. Parameshwar V Pandit Co-chair: Dr. Ravikumar Davala	AB2:216
Abstract ID	**Authors**	**Title**
RS-0006	Saraswati V Katagi	Assessment and Analysis of $P(X<Y<Z)$ for the Weibull Distribution
RS-0008	Kapu Bhavani	Optimizing Parallel-Series Configurations for Reliability: Enhancing Integrated Redundancy
RS-0009	Pitta Shankaraiah	Modeling Survival Outcomes in Colon Cancer: A Comparative Study of Cox and Accelerated Failure Time Models
RS-0010	Santosh Shashikant Sutar	Reliability Modeling of k-out-of-m Systems with Unequal Load Sharing Using CPRHR
RS-0011	Akurathi Jaya Naga Sri	Analysis of current status competing risks data with covariate measurement error
RS-0012	Aman Pandey	Bivariate extension of residual extropy
RS-0013	Udita Goswami	Inequality restricted minimum density power divergence estimation in panel count data
RS-0014	Ashlin J Mona	Integrating Causal Inference and Parametric Survival Modelling to Evaluate Chemotherapy Benefit in Breast Cancer
RS-0016	Elizabath Salmiya K S	Empirical Likelihood Approach for Testing Proportional Mean Residual Life Model
RS-0018	Ann Sania	Resilience Achievement Worth Measures for Prioritization of Maintenance and Repair Actions in Critical Infrastructure Networks

Time	Contributory Session (22CS1:4)		Venue
4:00 pm- 6:00 pm	Session Title: Planning and Experimental Designs Chair: Dr. Suman Jaiswal Co-chair: Dr. Varunkumar Merugu		**AB2**:218
Abstract ID	**Authors**	**Title**	
PE-0002	Prity Maji	Optimizing Field Experiments in Foxtail Millet through Sudoku Square Designs	
PE-0004	Srijani Patra	A Series of Efficient Generalised Efficiency Balanced Block Designs with Lesser Number of Experimental Units	
PE-0005	Anurup Majumder	Global Optimum Covariate Designs In Balanced And Partially Balanced Incomplete Block Designs Set-Up	
PE-0007	Navlakha Niharika Navratan	Optimal Minimal Balanced Crossover Designs in Higher Order Carry Over Effects	
PE-0008	Daksha Pramod Sawant	Weibull Hazard Model for Simplex Lattice Mixture Design	
PE-0009	Khongbantabam Robinchandra	Designing Bayesian D-Optimal Choice Experiments with Mixtures Based on Becker's Mixture Models using Simulated Annealing Algorithm	
PE-0010	Sulochana Beeraka	Slope rotatability for second order rotatable designs using a class of balanced ternary designs	
PE-0011	Himanshu Shukla	Uniform Designs on Spherical Region for Mixture Experiments with Single Component Constraints	
PS-0002	Abhishek Ranjan Gaur	Age-Specific Migration Schedules for India: Application of a Modified Rogers–Castro Model	
PS-0003	Pappu Kumar Singh	Socioeconomic and Demographic Correlates of Second Birth Interval in India: A Non-parametric, Semi-parametric and Parametric Approach	

Time	Contributory Session (22CS1:5)		Venue
4:00 pm- 6:00 pm	Session Title: AI & Machine Learning Chair: Prof. Sibi Chakkaravarthy S. Co-chair: Dr. Manimaran Aridoss		**AB2**:220
Abstract ID	**Authors**	**Title**	
ML-0005	Kaveri Ashim Biswas	Complexity-Aware Reinforcement Learning for Automated Model Selection	
ML-0013	Sri Shylaja G A	Epidemiological Analysis of Infectious Disease Outbreaks: Tuberculosis (TB) Focused on Image Processing	

ML-0017	Dindakurthi Kushal	Web-Based Recommendation System for Cardiovascular Diseases using XCS Techniques
ML-0018	Maroju Asha Lalitha V S L P	Enhanced Sentiment Analysis Using Hybrid BERT Models
ML-0019	Jayanth Srinivas Bommisetty	Medical AI Chatbot with a Dual-Input Deep Learning Architecture for Intent Classification
ML-0022	Anunaya Manoj	Addressing Parameter Sensitivity in DBSCAN: A Comparative Study of Variants
ML-0023	Kavitha N	Fuzzy Variational Graph Learning (FVGL): Modeling Uncertainty and Imprecise Relationships in Graph-Structured Data
ML-0024	Kavitha N	BioFuzzyNet: A Neuro-Symbolic Interval Fuzzy Logic Model for Bioengineering Decision Support
ML-0025	Darla Meghana	YOLOv9c with Post-hoc Calibration for Reliable Caries Detection on Intraoral Periapical Radiographs
ML-0026	Aneetta Joy Parathanath	DQ-SAM: Data-Quality–Aware Optimization for Robust GV Black Class I–III Caries Classification on Clinical Intraoral Periapical Radiographs

Time	Event	Venue
6:00 pm- 7:00 pm	ISPS Executive Council Meeting	**AB2**:212
7:00 pm- 8:00 pm	Cultural Programme	**TP Auditorium**

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8:00 pm
DINNER
SAC Building

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23 December 2025- Tuesday

Time	Event	Venue
9:00 am- 9:45 am	Keynote Address II: Speaker: Prof. Jammalamadaka S Rao Title of Talk: Gaps between Observations –What can one learn from them?	**TP Auditorium**

Presentations of A. R. Kamath Best Thesis (parallel JSR)

Time	Presentations of A. R. Kamath Best Thesis	Venue
9:00 am- 10:30 am	Chair: Prof. R. L. Shinde	AB2:205

MSc Project (parallel to JSR)

Time	MSc Project	Venue
9:00 am- 10:30 am	Chair: Prof. C. Satheesh Kumar	**AB2**: 215
	Team 1	
	Team 2	
	Team 3	

Endowment Lecture 2

Time	Endowment Lecture (23EL:2)	Venue
9:45 am- 11:15 am	Chair: Prof. Kartlos J Kachiashvili Co-chair: Dr. Aastha Madonna Sathe	**AB2**:212
Prof. A M Mathai Endowment Lecture		
Prof. Ashis SenGupta	TBA	
Prof. G Sankaranarayanan Endowment Symposium		
Prof. K Muralidharan	DAM: A Unified Framework for Imputation and Forecasting of Groundwater Levels	
Prof. N. Balakrishna	ACD Models with Mixture Error Distributions	

Endowment Lecture 3

Time	Endowment Lecture (23EL:3)	Venue
9:45 am- 10:45 am	Chair: Prof. David Hanagal Co-chair: Dr. Naraveni Rajashekar	**AB2**:214
Prof. Y S Narasingulu Endowment Lecture		
Prof. Sharada V Bhat	Control Charts Under Non Normality	
Prof. David Hanagal Endowment Lecture		
Prof. P. G. Sankaran	A Bayesian Proportional Mean Model With Panel Binary Data	

Invited Sessions 3

Time	Invited Session (23IS3:1)	Venue
9:45 am- 11:15 am	Chair: Prof. Khadar Babu Sk Co-chair: Dr. Chandan Kumar Thakur	**AB2**:216
Speaker	**Title**	
Dr. M. Hemanth Kumar	Model Selection Through Stability Assessment in Time Series Forecasting	
Dr. P V Kumar	Does Capital adequacy impacts banks profitability: An empirical analysis on Indian Banks	
Dr. Rama Shanker	A Survey on Sujatha Distribution and Its Generalization	

Time	Invited Session (23IS3:2)	Venue
9:45 am- 11:15 am	Chair: Prof. Debasis Kundu Co-chair: Dr. Karunakar Perumandla	**AB2**:218
Speaker	**Title**	
Prof. Sudheesh Kumar Kattumannil	Kolmogorov–Arnold Networks (KANs) for Modeling Survival Data	
Prof. Parameshwar V Pandit	Statistical Inference for Reliability of Systems under Conditional and Unconditional Stress-strength Set up: Some Specific Cases	
Dr. Suman Jaiswal	Reliability Measures for Analyzing Systems with Faulty Switches	

Time	Invited Session (23IS3:3)	Venue
9:45 am- 11:15 am	Chair: Prof. K. Muralidharan Co-chair: Dr. Phani Kumar M	**AB2**:220
Speaker	**Title**	
Dr. Prafulla Kumar Swain	A Comprehensive Review of Machine Learning Models and Their Applications to Low Birth Weight Prediction	
Dr. Abhimanyu Singh Yadav	Some Characterizations of Log-Cauchy Distribution and Its Inferential Exploration Under Progressive First-Failure Censoring Scheme	
Dr. M. Rajeswari	Multivariate Analysis in Medical Research	

Best Research Paper Competition

Time	Best Research Paper Competition	Venue
9:45 am- 12:45 pm	Chair: Prof. V. S. Vaidyanathan	**TP Auditorium**

11:15 am- 11:30 am

TEA BREAK
AB2: 2nd Floor Corridor

Contributory Sessions 2

Time	Contributory Session (23CS2:1)		Venue
11:30 am- 1:30 pm	Session Title: Applied Mathematics Chair: Dr. Ramakrishna Reddy Co-chair: Dr. V. Raja		**AB2**:212
Abstract ID	**Authors**	**Title**	
AM-0003	Rajesh. L	A Recurrent Fractal Forecasting Framework Integrating ARIMA and Neural Networks.	
AM-0004	Ganesh Kumar Reddi	Fuzzy Soft Bi-Quasi Interior Ideals Over Semirings	
AM-0005	Balabhadhruni Vineela	Bipolar Fuzzy Quasi-Interior Ideals In A Semigroup	
AM-0006	Sivaprasad Jammula	A study of creeping magnetohydrodynamic viscous flow past a viscous liquid drop placed in a porous medium	
AM-0007	Vasantha Gadipally	Systematic role in Smarandache fuzzy magnified gamma Translation and application in genotype births	
AM-0008	Dipesh Kumar	Fixed Point Results For A Finite Family Of Mappings Satisfying Condition (E)	
AM-0009	Gudluru Ramadevi	A note on the porous medium spin-up problem	
AM-0011	Dr. Narsu Sivakumar	Enhancement of Heat Transfer in Hybrid Nanofluids within a Porous Triangular Cavity: A CFD–Machine Learning Method	
AM-0012	Ravi Kumar	A Mathematical Investigation of Love-Wave Behaviour in Porous–Piezoelectric and Piezomagnetic Composites Resting over a Conducting Elastic Substrate	
AM-0015	Nomula Mallika	q-Calculus Approach to Discrete Boundary Value Problems	

Time	Contributory Session (23CS2:2)		Venue
11:30 am- 1:30 pm	Session Title: Applied Statistics Chair: Dr. Abhimanyu Singh Yadav Co-chair: Dr. Naraveni Rajashekar		**AB2**:214
Abstract ID	**Authors**	**Title**	
AP-0005	Samadhan Vishwanath Ghubade	Detriment Index based Ranking Technique for painkiller drugs in Noncommunicable Diseases (NCD's)	

Abstract ID	Authors	Title
AP-0006	Shyam Bihari Tiwari	Selection of subjects with balanced covariate profiles in non-randomized situations
AP-0007	Sukumar V. Rajguru	Reliability Modelling of Parallel Connected k-out-of-m Load-Sharing Systems under Type-I and Type-II Censoring
AP-0008	Pratibha Karki	Enhancing Precision of Average Treatment Effect Estimation in Causal Inference through an Efficient Neighborhood Search Algorithm With Regard To Optimality
AP-0009	Pranav T V	Interval-based Neutrosophic Gaussian Mixture Model for Image Classification
AP-0010	Shubham Kumar	Probabilistic Modeling of Earthquake Interevent Times over the Indian Tectonic Region Using the Generalized Gamma Distribution
AP-0012	Dr. Agatamudi Lakshmana Rao	Study on Distribution models in Environmental and Climate Data Analysis
AP-0013	Md. Abdul Latif	Socio-Economic Determinants of Income Generation Among Tribal Communities in the Hill Districts of Manipur
AP-0014	Nallan Chakravartula and S. Hitesh	Statistical Analysis on Nano-mechanical properties of Additively Manufactured Steel
AP-0015	Laxmi Basappa Dharmannavar	Data-Driven Approaches for Air Quality Prediction

Time	Contributory Session (23CS2:3)		Venue
11:30 am- 1:30 pm	Session Title: Distribution Theory Chair: Dr. K. M. Sakthivel Co-chair: Dr. Nadiminti Nagamani		**AB2**:216
Abstract ID	**Authors**		**Title**
DT-0004	N.K.Sajeevkumar		Estimation of the Parameter of Farlie - Gumbel-Morgenstern Bivariate moment Exponential distribution with Equal Coefficient of Variation Using Concomitants of Order Statistics
DT-0005	Dibu A S		A Finite Phase-Type Mixture Model for Clustering
DT-0007	Dr. Arun Kumar Saripalli		Probabilistic Modeling of Urban Air Pollution in Visakhapatnam Using Three-Parameter Burr Type-XII, Dagum Type-I and Log-Logistic Distributions
DT-0008	Sarikul Islam		On the Weighted Tail Random Variable: A New Probability Framework Along with Reliability Properties and Applications

DT-0009	Potluri S S Swetha	Change-point detection in COVID-19 data using Kumaraswamy Modified Kies Exponential distribution
DT-0011	Shantanu Kumar Yadav	Exponentiated Re-parameterized Bradford Distribution: A Robust Model for Lifetime Data Analysis
DT-0014	Akhila P	Versatile Modelling with the Modified Yun G Family: Application from Algorithmic and Insurance Data.
DT-0015	Sabna K P	The Marshall-Olkin Yun Additive Weibull Distribution: Statistical Properties, Estimation, and Applications
DT-0016	Kavitha N	Properties and Applications of Rayleigh X^θ-Exponential Distribution
DT-0017	Hamsa Usha	Studies On Left Truncated Three Parameter Logistic Type Distribution And Their Applications

Time	Contributory Session (23CS2:4)	Venue
11:30 am- 1:30 pm	Session Title: Time Series Analysis Chair: Prof. Gajendra K. Vishwakarma Co-chair: Dr. Komandla Mahipal Reddy	**AB2**:218
Abstract ID	**Authors**	**Title**
TS-0003	Manik Awale	On Zero Inflated Count Time Series Models
TS-0007	Neelavathy N	Modeling and Forecasting Stock Market Volatility Using ARMA–GARCH and Neural Network Approaches
TS-0008	Hara Prasad Das	Exploring The Rise Of Dengue Incidence: A Time Series Analysis Of Odisha And India
TS-0011	Bighneswar Barik	Trends and Forecasts of Infant Mortality: A Comparative Time-Series Study of Odisha and India
TS-0012	Yagyavalkya Pandey	A Bayesian Hierarchical Framework for Fusing Multi-Resolution TFR Data for Indian States
TS-0013	Ashis Ranjan Udgata	Leveraging Machine Learning for Price Forecasting of Pigeon pea
TS-0014	Sheetal Prasad	Bayesian Stochastic Volatility Modelling with Realized Volatility for Cross-Domain Forecasting
TS-0015	Anupama P	A Study of an AR(1) Model with Skew-Logistic Noise and Its Applications.

| TS-0017 | Sreeshma Sreenivasan | A Mixed Thinning Integer Valued Auto Regressive Process with Seasonal Structure |
| TS-0018 | Abhinav V Sunil | A Time Series Modelling and Inferential Analysis of The National Stock Exchange (NSE) of Energy Sector in India: A Contemporary Perspective |

Time	Contributory Session (23CS2:5)		Venue
11:30 am- 1:30 pm	Session Title: AI & Machine Learning Chair: Dr. Gokul Yenduri Co-chair: Dr. Chandan Kumar Thakur		**AB2**:220
Abstract ID	**Authors**	**Title**	
ML-0027	Tushar Goutam	A Hybrid Segmentation and Recurrent Network for Generalizable Plant Disease Classification	
ML-0028	Mukthineni Lakshmi Prasanna	YouTube Comments retrieval and sentiment analysis on Skin-care videos	
ML-0031	Anshika Shukla	Beyond Linearity: The Rise of Neural Architectures, Ensembles, and Explainable models in Nonlinear Regression	
ML-0032	Yashasvi Rastogi	AI in Mental Health: A Multimodal Review of Machine and Deep Learning Techniques for Depression Detection	
ML-0037	Moparthy Devaki Priya	Telugu movie recommendation chatbot using collaborative filtering	
ML-0038	B.Madhumita	MovieBuzz: A Deep Learning–Enhanced Context-Aware Movie Recommendation System	
ML-0039	Vikash Kumar Sumit	Self-supervised and Semi-supervised Learning for Vision Transformers: A Systematic Review	
ML-0040	Ms. Lakshmi Ananya Abbaraju	Fractal Design Pattern Generation from Non-Affine IFS and Machine Learning-Driven Clustering-Based Segmentation	
ML-0047	Dr Abhijeet Jadhav	A Statistical and Machine Learning Framework to Identify Determinants of Renal Treatment Choice in CKD Patients	
ML-0051	Ayesha Moghal	Encrypted Insights: Real-Time, Context-Aware Federated Learning for Employee Well-being	

1:30 pm- 2:30 pm
LUNCH BREAK
SAC Building

M N Deshpande Memorial Award

Time	M N Deshpande Memorial Award Competition	Venue
2:30 pm- 4:00 pm	Chair: Prof. Sharada V. Bhat	**AB2**:215

Contributory Sessions 3

Time	Contributory Session (23CS3:1)	Venue
2:30 pm- 4:00 pm	Session Title: Sampling and Official Statistics Chair: Dr. Neha Garg Co-chair: Dr. Faizan Danish	**AB2**:212

Abstract ID	Authors	Title
OS-0001	Hemant Kulkarni	Identify Regional Patterns of Development of Rural India using Multidimensional Deprivation Index
SS-0001	Rahul Kumar	A General Class of Regression-cum-Exponential Type Estimator for Population Variance in Two-Phase Sampling
SS-0003	N Venkata Lakshmi	Efficient Neutrosophic Estimation under Uncertainty: Real-World Applications and Monte Carlo Validation
SS-0004	Anchal Yadav	Enhanced Logarithmic-Type Estimators for Estimation of Population Variance under Simple Random Sampling Framework: Computational Analysis and Simulation Evidence
SS-0005	Chilakapati Ganga Bhavani	Development of an Estimator for Population Variance of a Sensitive Variable with Efficiency under a Randomized Response Technique
SS-0006	Dr. Ashok Kumar Jaiswal	Improved Imputation Methods for Handling Missing Data in Two-Occasion Successive Sampling
SS-0008	Nikita Lall	A Class of Estimators of Finite Population Variance using Auxiliary Information

Time	Contributory Session (23CS3:2)	Venue
2:30 pm- 4:00 pm	Session Title: Mathematical Modelling Chair: Dr. Satyanarayana Badeti Co-chair: Dr. Francis P	**AB2**:214

Abstract ID	Authors	Title
MM-0002	M.Vijayalakshmi	Degree Set Characterization and Circulant Graph-Based Pruning for Neural Networks

MM-0003	G Vinod Kumar	Development of Mathematical equation for Thermal Analysis of Solar Flat Plate Collector for Different Emissivity Plates
MM-0004	Parasa Naga Lakshmi Devi	Numerical analysis and parametric optimization of a heat exchanger for thermal applications
MM-0005	A. Naga Lakshmi	Mathematical Insights into Cannibalistic Predators: A Dynamical System Approach
MM-0006	Jadapalli Harendra	Analytical and Numerical Simulation of One-Dimensional Advection–Dispersion in Heterogeneous Porous Media
MM-0007	Vemula Syam Prasad	1-D solute transport in a heterogeneous groundwater reservoir under a sinusoidal inlet source
MM-0010	Baindla Venkataramana	Adaptive Deep Learning Framework for Solving the BBM and ϕ-4 Nonlinear PDEs

Time	Contributory Session (23CS3:3)		Venue
2:30 pm- 4:00 pm	Session Title: Data Science Chair: Prof. V. M. Chacko Co-chair: Dr. Karunakar Perumandla		**AB2**:216
Abstract ID	**Authors**	**Title**	
DS-0005	Yogesh Rajendra Yewale	Change Point Detection with Kullback-Leibler Divergence Approach	
DS-0009	Aditi Verma	An Explainable Machine Learning and NLP Framework for Drug Response Prediction and Side-Effect Analysis Using Real-World Patient Data	
DS-0010	Ahalyakrishna V R	Syllabus–Textbook Mapping Using TF-IDF and Cosine Similarity	
DS-0013	S. Anitha	Hard-Actor Optimized Multi-Level Ensemble Learning for Speaker-Independent Real-Time Vocal Stress Detection	
DS-0016	Cheepilla Rajavarsha	CAAS – Crop Analytics and Advisory System	
DS-0018	Prathipati Sravani	Multi-Source Disaster Detection System	
DS-0019	Pallapallivamsikrishna	Integrated Statistical and Machine Learning Framework for Crop Disease Detection and Yield Prediction Using Image Analytics	

Time	Contributory Session (23CS3:4)		Venue
2:30 pm- 4:00 pm	Session Title: Statistical Inference Chair: Dr. Princy T Co-chair: Dr. Sane Umesh Reddy		**AB2**:218
Abstract ID	**Authors**	**Title**	
SI-0002	Somnath Mondal	Estimating positive powers of ordered standard deviations of two normal populations	
SI-0004	Anjana S.	Jackknife empirical likelihood ratio test for log-symmetric distribution using probability weighted moments	
SI-0005	Viraj Koparkar	Hyperparameter Tuning For Contextual Multi-Armed Bandits	
SI-0006	Ayanabha Banerjee	Inference on the Probability of Success (p) in Bernoulli Trials	
SI-0007	Aleena Thampi	Kumaraswamy Odd Perks Power Lomax distribution: Properties, Estimation and Application	
SI-0008	Priyanka Gadeela	Local Information Based Parameter Estimation for Poisson Distribution	
SI-0010	Dr.Ch.Yugandhar	Local Information Based Parameter Estimation for Double Exponential Distribution	

Time	Contributory Session (23CS3:5)		Venue
2:30 pm- 4:00 pm	Session Title: AI & Machine Learning Chair: Dr. M. Hemanth Kumar Co-chair: Dr. Kavikumar Ramasamy		**AB2**:220
Abstract ID	**Authors**	**Title**	
ML-0058	Lokesh D	License Plate Detection Using YOLO and CNN: An Integrated Deep Learning Approach for Automated Vehicle Recognition	
ML-0060	E Dheeraj	Glaucoma Detection And Classification Using Image Processing Techniques	
ML-0061	Dheeraj Rohilla	Legal Knowledge Graph Construction: A Research Perspective	
ML-0064	Nemilidinea Anantharami Reddy	Towards Realistic Cloud–Fog Task Scheduling: A Port-Constrained Multi-Objective Deep Reinforcement Learning Framework	

ML-0066	Aryan Roy	A Machine Learning Framework for Predicting Agricultural Yield and Market Prices
ML-0067	Chinda Jyothika	An Attention-Augmented Lightweight Architecture for Incipient Smoke Plume Identification
ML-0069	Bhamidipalli Sri Lakshmi Sravya	Comparative Spatio-Temporal Forecasting of Air Quality Index (AQI): A Case Study Of Mumbai (2021-2024)

4:00 pm- 4:15 pm
TEA BREAK
AB2: 2nd Floor Corridor

Contributory Sessions 4

Time	Contributory Session (23CS4:1)	Venue
4:15 pm- 6:00 pm	Session Title: Reliability and Survival Analysis Chair: Prof. B. Muniswamy Co-chair: Dr. K Panduranga	**AB2**:212

Abstract ID	Authors	Title
RS-0019	Amrutha M	Type II - General Type II - Progressive Censoring
RS-0020	Dr. Shubhashree Joshi	On Estimating Multi-Stress Strength Reliability for generalized Pareto distribution based on different sampling methods.
RS-0021	Gauthami P	Joint Bayesian Reliability Importance and Joint Fussell-Vesely importance measures in a Binary and Multi-State System
RS-0023	A. M. Rangoli	A New Modified Power Generalized Weibull Distribution: Properties And Application
RS-0025	Saranya P	Extropy Based Similarity and Divergence Ratios: Theory and Applications
RS-0027	Sai Uma Sankar Mandavilli	Inference Improving Coherent Blended Networks Reliability Models by Using Redundancy Approaches
RS-0029	Alok D. Dabade	Compound Negative Binomial Frailty Models for Competing Risks data with Hybrid Censoring
RS-0030	Akash Sharma	Introducing and applying varinaccuracy: a measure for doubly truncated random variables in reliability analysis
RS-0033	Ramadevi Surapati	Optimized Reliability Framework for Series-Parallel Systems: Strategic Redundancy Allocation Using HAM and IPM Solutions

Time	Contributory Session (23CS4:2)		Venue
4:15 pm- 6:00 pm	Session Title: Operations Research Chair: Dr. G Madhu Sudhan Co-chair: Dr. Ramesh Arumugam		**AB2**:214
Abstract ID	**Authors**	**Title**	
OR-0002	Tavva.Nagamani	Interval Deviation Normalization (IDN): A Generalized Method for Modeling Interval-Based Criteria in Multi-Criteria Decision-Making	
OR-0004	Aalish Nadeem Hashmi	Logistic Model for Warehouses and Cross-Docking	
OR-0006	Anushka Singh	Analysis Of Pentagonal Fuzzy Numbers In M/G/1 Queuing Systems Using Pascal's Triangular Graded Mean	
OR-0007	M. S. Srinivasa Rao	Parametric optimization of friction stir welded AA 2014 Al-alloy joints by Taguchi-based computing techniques	
OR-0008	Dr. Vikas Shivaji Jadhav	Application of Range Technique for Cost-Efficient Transportation Problem with Pentagonal Fuzzy Numbers	
OR-0009	Katari Kavyanjali	Adaptive harmony search algorithm for global optimization in single affine ratio problems	
OR-0010	Madhulatha Dasari	An EPQ Model for Deteriorating Items with Generalized Pareto Production Rate, Weibull Decay, and Three-Level All-Unit Quantity Price Discounts	
OR-0011	Kumara Mohana Babu	An Inventory Model for Deteriorating Items with Variable Production Rate and Demand Dependent on Production Quantity	
OR-0012	Javvadi Durga Aparajitha	A Study On Non-Stationary Forked Queueing Model with Load-Dependent Service Rates	

Time	Contributory Session (23CS4:3)		Venue
4:15 pm- 6:00 pm	Session Title: Multi-disciplinary Chair: Prof. S M Sunoj Co-chair: Dr. Prakash S		**AB2**:216
Abstract ID	**Authors**	**Title**	
MD-0003	G Ravindra	A Study on Modern Statistical Applications in Crime and Forensic Studies	
MD-0006	Dhawlath G	Algorithmic and Theoretical Approaches to Domination and Independence in Proper Power Graphs	

Abstract ID	Authors	Title
MD-0008	Ayilvar Raj Kumar	A Holistic Framework for Interview Assessment: Integrating TensorFlow Models and 3D Avatars for Visual, Vocal, and Content Cue Analysis
MD-0009	Gunupuru Siva	A New Proxy Digital Signature Scheme based on RSA Cryptosystem using Circulant matrix
MD-0010	Raghu M. Banakar	Equitable Total Coloring of Hypercubes
MD-0011	Srinu Irugula	Double Total Domination Number of some families of Graphs
MD-0014	Odnala Srinivas	A Permissioned IBFT-Based NFT Framework for Secure Pharmaceutical Asset Ownership and Trading
MD-0015	Evelin Nissy Thomas	Evaluating Reconstruction Algorithms with an Efficient Sensing Matrix in Compressive Sensing
MD-0016	Kasagani Satyanarayana	Performance of IRS-Aided OTFS under Generalized Fading Channels

Time	Contributory Session (23CS4:4)	Venue
4:15 pm- 6:00 pm	Session Title: Distribution Theory Chair: Prof. Devendra Kumar Co-chair: Dr. Prashant Patel	**AB2**:218

Abstract ID	Authors	Title
DT-0018	Aradhye Girish Ramchandra	A mixed exponential claim severity model with covariate-driven mean, dispersion and dependence parameters
DT-0019	Rehana C J	An AR(1) Process with Intervened Exponential Innovations
DT-0020	Nalipireddy Chiranjeevi	Modified Kies Type-I Half-Logistic Power Lomax distribution: Properties and Applications
DT-0021	Mulagala Vandana	Sine modified Kies power Lomax distribution with Properties, Estimation techniques, Actuarial measures and Medical applications.
DT-0023	Suresha Kharvi	A Family of Power-Transformed Length-Biased Distributions with Diverse Hazard Rate Shapes
DT-0024	Naresh Chitturi	Modeling heavy-tailed phenomena using α-stable distributions
DT-0026	Achyuta S	Burr II–GPD Mixture for Transaction Fraud Detection

DT-0028	Pavan Kumar Subbara	Comparative Study on Probabilistic Modeling of Urban Air Pollutants Using Burr Type XII, Dagum-I, and Log-Logistic Distributions
AM-0016	P.Yalini	Observer-Based MRC Tracking Control for Stochastic TCP/AQM Networked Systems.

Time	Contributory Session (23CS4:5)	Venue
4:15 pm- 6:00 pm	Session Title: AI & Machine Learning Chair: Dr. Irshad M R Co-chair: Dr. Yada Nandukumar	**AB2**:220

Abstract ID	Authors	Title
ML-0070	Likitha Yarlagadda	Bank Transaction Fraud Detection Using Machine Learning
ML-0071	Shreya S Dixit	Deep Learning-Based Detection Of Grass Types
ML-0072	Salla Jahnavi	Phish Fraud: A Lightweight URL & Email Phishing Detector
ML-0073	Moka Lakshya Chandrika	AI-Powered Predictive Maintenance for Public Transport Vehicles
ML-0074	Mutyala Sri Satyanjali	Ensemble Models for Heart Disease Prediction Using Clinical Tabular Data
ML-0075	D Victorseelan	Deep Learning Outperforms Statistical Models in Gas Turbine Power Forecasting: Evidence from a Comparative Study
ML-0076	Sachin Mathuria	Model Optimization Strategies for Faster YOLO Detection on CIFAR and COCO
ML-0078	Darshan Dontiboina	Artificial Intelligence Literacy Among Indian Household Elderly in Guntur, India
ML-0080	Jyoshnapriya Kotta	Context-Aware Adaptive Feature Fusion for Multimodal Sentiment Analysis (CAAFF-MSA)

Time	Event	Venue
6:00 pm- 7:00 pm	ISPS General Body Meeting	**AB2**:212

7:30 pm
DINNER
SAC Building

24 December 2025- Wednesday

Plenary Talk

Time	Plenary Talk (24PT2)	Venue
9:00 am- 9:45 am	Chair: Prof. N. Balakrishna Co-chair: Dr. Phani Kumar M	**TP Auditorium**
Speaker	**Title**	
Prof. Nalini Ravishanker	Assessing Intervention Impact in Time Series using Classes of Gaussian Process Models	

Contributory Sessions 5

Time	Contributory Session (24CS5:1)	Venue
9:00 am- 9:45 am	Session Title: Environmental and Actuarial Statistics Chair: Dr. Rama Shanker Co-chair: Dr. Sane Umesh Reddy	**AB2**:212
Abstract ID	**Authors**	**Title**
ES-0002	Sreenivasulu T	Multi-Horizon PM2.5 Forecasting Using a CNN–Transformer–LightGBM Hybrid Model for Enhanced Spatiotemporal Air Quality Prediction
ES-0003	Poulami Paul	Fractional differential entropy and its application in modeling one-dimensional flow velocity
AS-0001	Basavaraj Talawar	Modelling recursive surplus dynamics via multidimensional forward–backward stochastic differential equations for solvency, pricing, and portfolio allocation
AS-0002	Manasi Goral	Irreversible Investment under Regime-Switching Carbon Policy and Learning-by-Doing: A Real Options Approach with FD–PSOR Solution

Time	Contributory Session (24CS5:2)	Venue
9:00 am- 9:45 am	Session Title: AI & Machine Learning Chair: Dr. Faizan Danish Co-chair: Dr. Riya	**AB2**:214
Abstract ID	**Authors**	**Title**
ML-0081	Hymavathi Mantrabuddi	AI Based Intrusion for IoT Devices
ML-0083	Choutupalli Lavanya Susanna	CapsNet-Based Distance Weighted KNN With Fuzzy C Mean To Classify Depression Based On Facial And Eye Patterns
ML-0084	Odnala Srinivas	Multi-Objective Lion Based Deep Optimization for Robust Machine Learning in Text Analytics and NLP Tasks

ML-0085	Venkata Svg Sarma Lanka	Mobility-Aware Temporal Machine Learning for Proactive Gateway Selection in Industrial LoRaWAN Networks

Time	Contributory Session (24CS5:3)	Venue
9:00 am- 9:45 am	Session Title: Bayesian and Fuzzy Statistics Chair: Dr. Abhay Pratap Pandey Co-chair: Dr. Prashant Patel	**AB2**:216
Abstract ID	**Authors**	**Title**
BF-0001	Samadhan Vishwanath Ghubade	Statistical Challenges in Health Technology Assessment (HTA) for Non-Communicable Rare Diseases
BF-0004	Shrey Atulkumar Pandya	Toward Smarter Gaussian Processes: Integrating Learnable Kernels for Accurate Probabilistic Forecasting
BF-0005	Dr. Manoj Kumar	Bayes estimators of the reliability function and parameter of the exponentiated Inverse Model: Objective Priors
BF-0006	Matta Naresh	Modeling Survival in Lung Cancer Patients under Uncertainty: A Bayesian and Fuzzy Data Approach

Time	Contributory Session (24CS5:4)	Venue
9:00 am- 9:45 am	Session Title: Agricultural Statistics Chair: Dr. Sridhar Akiri Co-chair: Dr. Ramesh Prasad Panda	**AB2**:218
Abstract ID	**Authors**	**Title**
AG-0001	Gourabanwita Banerjee	Incidence of Drought in Relation to Rainfed Rice Production in some districts of West Bengal
AG-0002	Sujith Arokia Swamy B	Hidden Markov Guided Quantum Neural Network Model For Timeseries Forecasting
AG-0003	Fasila K P	Bootstrap Based Prediction Intervals for Autoregressive Tempered Fractionally Integrated Moving Average Processes
AG-0004	Prit Mondal	AHP-TOPSIS model used in evaluating and ranking tuberose (Polianthes tuberosa L.) genotypes of West Bengal, India based on characteristics

Time	Contributory Session (24CS5:5)		Venue
9:45 am- 10:45 am	Session Title: Applied Mathematics and Statistics Chair: Dr. Vemula Ramakrishna Reddy Co-chair: Dr. Prakash S		**AB2**:220
Abstract ID	**Authors**	**Title**	
AM-0017	P. Yalini	Robust Stabilization of Stochastic TCP/AQM Network Systems using T–S Fuzzy Observer-Based Modified Repetitive Tracking Control with Input Delay	
AP-0016	Ashish Ishwar Anerao	Hybrid XG Boost-MLP Fusion model with GAN Based Balancing for Diabetes Prediction	
AP-0018	Nimisha M	A Polling System with Random-Clock Control and Vehicle Priority: Emergency Preemption and Queue-Length-Based Switching	
AP-0019	Anusha Karredla	EPQ Model for Deteriorating Inventory with Fixed Product Lifetime, Constant Market Demand, and Variable Production Rate	

Endowment Lecture 4

Time	Endowment Lecture (24EL:4)	Venue
9:45 am- 10:45 am	Chair: Prof. P. Rajashekar Reddy Co-chair: Dr. Shalini Thakur	**AB2**:212
Prof. M Sambandham Endowment Lecture		
Prof. R. L. Shinde	GER and Addressing Equity in Indian Higher Education	
Prof. M P Shastri Endowment Lecture		
Prof. T. V. Ramanathan	Semiparametric approaches to variance reduction and bandwidth selection in density estimation	

Time	Invited Session (24IS4:1)	Venue
9:45 am- 10:45 am	Chair: Prof. B. S. Biradar Co-chair: Dr. Manimaran Aridoss	**AB2**:220
Speaker	**Title**	
Dr. B Sarojamma	Bayesian Small-Area Estimation of District-Level Diabetes Prevalence in India Using Environmental and Demographic - Geo Covariates	
Prof. R. Vishnu Vardhan	Change Point Detection using Lomax family of Distributions	

Invited Sessions 4

Time	Invited Session (24IS4:2)		Venue
9:45 am- 10:45 am	Chair: Prof. K. Sampath Kumar Co-chair: Dr. V. Raja		**AB2**:216
Speaker	**Title**		
Dr. Princy T	A Generalized Matrix-variate Density Useful in Different Disciplines		
Dr. Irshad M R	Impact of Measurement Error on the Estimation of Extropy and Its Variants		

Time	Invited Session (24IS4:3)		Venue
9:45 am- 10:45 am	Chair: Prof. Gajendra K. Vishwakarma Co-chair: Dr. Yada Nandukumar		**AB2**:218
Speaker	**Title**		
Prof. S M Sunoj	Revisiting poverty measures using quantile functions		
Prof. Sheela Misra	Wellbeing and Happiness: Statistics and Beyond through Vedantic (IKS) Perspective		

10:45 am- 11:00 am

TEA BREAK

AB2: 2nd Floor Corridor

Contributory Sessions 6

Time	Contributory Session (24CS6:1)		Venue
11:00 am- 12:00 pm	Session Title: Econometrics Chair: Dr. Arunabha Majumdar Co-chair: Dr. Aastha Madonna Sathe		**AB2**:212
Abstract ID	**Authors**	**Title**	
EC-0004	Rintu Maria Saji	Construction of an Economic Pressure Index: A Multivariate Analysis Approach	
EC-0006	Sreedevi P N	Evaluating Instrumental Variable Estimators in High-Dimensional Panel Data: A Simulation Study of 2SLS, Lasso-IV, and Double Machine Learning IV (DML-IV)	
EC-0008	C Nikhisha	A Tail-Sensitive Measure of Income Inequality: Theoretical Foundations and Empirical Evidence	
EC-0009	P. Govardhani	Score- Based Diagnostics for Assessing Count Regression Models	

EC-0010	Srinu Setti	Quasi Poisson Regression Model for Fertility Count Data

Time	Contributory Session (24CS6:2)		Venue
11:00 am- 12:00 pm	Session Title: Biostatistics Chair: Dr. R Vishnu Vardhan Co-chair: Dr. Gokulnath M		**AB2**:214
Abstract ID	**Authors**	**Title**	
BS-0019	Danisiri Tanuja	Evaluation of Diagnostic Accuracy under Measurement Error using a new Hybrid ROC Model	
BS-0020	Kishor Narayan Raut	An Application of Principal Component Analysis for the Women Empowerment Index (WEI) of Odisha Based on NFHS-5 (2019–21) Data	
BS-0021	Makina Venkata Lavanya	Integrating Modern Statistical Techniques and Simulation to Assess Weekly vs Daily Cisplatin Regimens in LA-HNSCC	
BS-0023	Dr. Ahammad Basha Shaik	Machine Learning Regression Models for Cardiovascular Risk Prediction: A Comparative, Retrospective Study	
BS-0024	Kolli Naga Saritha	Repetitive Sampling Based Attribute Control Chart in Monitoring Patient Care under New Lomax Rayleigh Distribution	
BS-0025	Abhipsa Tripathy	Parametric Models for Competing Risks with Time-Dependent Covariates: An Applied Perspective	

Time	Contributory Session (24CS6:3)		Venue
11:00 am- 12:00 pm	Session Title: AI & Machine Learning (1) Chair: Dr. Ravi Kumar Bandaru Co-chair: Dr. Kottu Durga Prasad		**AB2**:216
Abstract ID	**Authors**	**Title**	
ML-0087	Vaka Suresh	Multi-Task U-Net for Denoising and Coarse Source Separation in Underwater Acoustic Sensor Networks	
ML-0088	G. Avinash	Optimizing Mental Health Resource Allocation: A Deep Learning Framework with Bayesian Model Averaging for Bed Occupancy Forecasting	
ML-0089	Haripriya B	Segmentation-Driven Procedural Editing for Street Redesign Using Diffusion Models	
ML-0098	Berri Pruthvi Raj	Leaf Disease Detection Using Deep Learning And Explainable Ai	

ML-0099	Kartikeya Sinha	Towards Reliable Air Quality Forecasting: A Probabilistic Modeling Pipeline with Gap-Specific Imputation and Kalman Filtering
ML-0100	Devi Prasad Pattnaik	Can Adaptive Frequency Bands Unlock Better Speech Emotion Classification?

Time	Contributory Session (24CS6:4)	Venue
11:00 am- 12:00 pm	Session Title: AI & Machine Learning (2) Chair: Prof. K. Sampath Kumar Co-chair: Dr. Riya	**AB2**:218
Abstract ID	**Authors**	**Title**
ML-0101	Balaji N	Graph Neural Networks for Brain Tumour Detection and Segmentation
ML-0102	M Aruna Prasanna Kumari	Enhancing Loan Approval Decisions through Machine Learning Algorithms
ML-0103	Aruna Kumari Boddu	Federated Intrusion Detection in Non-IID IoMT:Overcoming Non-Convex Optimization Challenge
ML-0104	Nallapaneni Naga Raju	Outage and BER Performance of RIS-Assisted Links under Imperfect CSI
ML-0105	Dr. Shaik Chand Thasleema	Machine Learning–Based Regression Models for Predicting Healthcare Costs: A Retrospective Comparative Study
ML-0052	K Ajaykumar	Towards a Secure and Intelligent Healthcare Framework for Patient Monitoring Using AI and Blockchain

Time	Contributory Session (24CS6:5)	Venue
11:00 am- 12:00 pm	Session Title: Time Series Analysis Chair: Dr. M. Rajeswari Co-chair: Dr. Ramesh Prasad Panda	**AB2**:220
Abstract ID	**Authors**	**Title**
TS-0022	Jayashree Suresh Bhuskute	Impact and assessment of industrial activity on air pollution levels
TS-0023	Abhijith P V	A Machine learning approach on time series forecasting of Indian Air Passenger and Freight demand
TS-0024	Dandu Ushasree	Hybrid Electricity Load Forecasting Using SARIMA+Diffusion+ANN
TS-0025	Vaishnavi	Forecasting and Scenario Analysis of India-Centric International Trade

| TS-0026 | Nagarohini Challa | Note on the Nonlinear Stability of Incompressible Swirling Flows |
| SQ-0008 | Thulasilakshmi R | Performance evaluation of a time-truncated group acceptance sampling plan for Weibull distribution |

Time	Event	Venue
12:00 pm- 1:30 pm	Award Ceremony and Valedictory Function	**TP Auditorium**

1:30 pm
LUNCH
SAC Building