

**International Conference
On
Emerging Innovations in Statistics & Operations Research
(EISOR-2018)
27 – 30 December 2018
In Conjunction with
38th Annual Convention of Indian Society for Probability and Statistics (ISPS)
&
4th Convention of Indian Association for Reliability and Statistics (IARS)
General Schedule**

Day-1 (27-12-2018) (Thursday)		
Time	Programme	Venue
08:00-09:30	Breakfast	Faculty House
09:30-11:30	Registration & High Tea	Dr. R K Auditorium
11:30-01:00	Inauguration	Dr. R K Auditorium
01:00-2:30	Welcome Lunch (Sponsored by IARS Life Members)	IHTM Lawn
02:30-04:00	Keynote Address Session Chair: Prof. C. Umashankar <ul style="list-style-type: none"> • Speaker: Prof. S. Rao Jammalamadaka (USA) Title: Generalized Spacing's Estimators • Speaker: Prof. Sat Gupta (USA) Title: Respondent Privacy, Data Security, and Estimation Quality in Sample Surveys 	Conference Hall IHTM
02:30-04:00	Prof. P.V. Sukhatme Endowment Lecture Speaker: Prof. Debasis Kundu Chair: Prof. N. Balakrishna Title: Geometric Skew Normal Distribution Plenary Session: 01 Chair: Prof. B.K. Das Speaker: Prof. Junzo Watada (Japan) Title: Infinite Pure Jump Levy Process under Multi Uncertainty Environment in Asset Pricing Applications	Smart Room IHTM
04:00-04:15	Tea	IHTM
04:15	ISPS EC Meeting	IHTM

04:15-05:45	Plenary Session: 02 Chair: Prof. Amar Nath Gill Speakers <ul style="list-style-type: none"> • Prof. M. B. Rao (USA) Title: Why Humans are so Dominant? • Prof. Neeraj Misra Title: Applications of TP_2/RR_2 Functions in Probability and Statistics: A Review of Some Key Results 	Conference Hall IHTM
04:15-05:45	Plenary Session: 03 Chair: Prof. K. Muralidharan Speakers <ul style="list-style-type: none"> • Prof. G.C. Tikkiwal Title: The Place of Statistics in the University – Revisited in the Context of Indian Universities • Prof. D.S. Hooda Title: Generalized Residual Entropies in Survival Analysis 	Smart Room IHTM
04:15-05:45	Invited Talk Session: 01 Chair: Prof. Aquil Ahmed Speakers <ul style="list-style-type: none"> • Prof. P.R. Vittal Title: Combinants, Bell Polynomials and their Applications • Prof. Vyas Dubey Title: An Efficiency Comparison of Some Generalized Estimators • Prof. Suresh K. Sharma Title: Meta-Analysis of Age Related Macular Degeneration using Fixed, Random and Mixed Effects Models 	Board Room IHTM
08:00- 09:30	Dinner	Faculty House

	Day-2 (28-12-2018) (Friday)	
08:00-9:30	Break Fast	Faculty House
09:30-11:00	Technical Session: 01 Chair: Prof. Hukum Chandra Presenters: CPS-3: ST (01-08, 24-26) <ul style="list-style-type: none"> • Vandita Kumari, Hukum Chandra & Kaustav Aditya • Chandni Kumari & Shashi Bhushan • Rajesh Singh & Madhulika Mishra • G. N. Singh & C. Singh • Geeta Kalucha • Vishwantra Sharma & Sunil Kumar 	Conference Hall IHTM

	<ul style="list-style-type: none"> • C. Singh, G. N. Singh & S. Suman • S. Suman, G. N. Singh & C. Singh • Satinder Pal Singh • Sandeep Kumar & B. V. S. Sisodia • Tanveer Ahmad Tarray 	
09:30-11:00	<p>Technical Session: 02 Chair: Dr. Anshu Gupta Speaker: Dr. R.V. Latpate Title: Adaptive Cluster Sampling for Negatively Correlated Variables Presenters: CPS-9: SQC (01, 03-04 & 06-07) & CPS-11:TSAS(02)</p> <ul style="list-style-type: none"> • Amin ShakaAunali & D. Venkatesan • Shashibhushan B. Mahadik • K. Sai Swathi & G. V. S. R. Anjaneyulu • M. Vijayakumar & D. Venkatesan • K. Rosaiah, B. Srinivasa Rao, Dr. J. Pratapa Reddy & C. Chinnamamba • Jitendra Kumar & Varun Agarwal 	Board Room IHTM
09:30-11:00	<p>Technical Session:03 Chair: Prof. P.R. Vittal Presenters: CPS-5: RTM (01-08)</p> <ul style="list-style-type: none"> • A. Loganathan & M. Gunasekaran • Rashi Hora • K. Rosaiah, G. Srinivasa Rao, K. Kalyani & D.C.U. Sivakumar • Sumit Koul • Intekhab Alam & Aquil Ahmad • Neha Sharma & JP Singh Joorel • Jisha Varghese & K.K. Jose • A. Loganathan & R. Jeromia Muthuraj 	Smart Room IHTM
11:00-11:30	Tea	IHTM
11:30-01:00	<p>Endowment Lectures Session</p> <ul style="list-style-type: none"> • Prof. A. M. Mathai Endowment Lecture Chair: Prof. David Hangal Speaker: Prof. K.S. Rao Title: On Family of Logistic Type Distribution and its Applications • Prof. Y C Narasimhulu Memorial Endowment Lecture Chair: Prof. K. Muralidharan Speaker: Prof. David Hangal Title: Analysis of Delayed S-Shaped Software Reliability Growth Model with Time Dependent Fault Content Rate Function 	Conference Hall IHTM

11:30-01:00	<p>Invited Talk Session: 02 Chair: Prof. S.K. Sharma Speakers</p> <ul style="list-style-type: none"> • Shesh Nath Rai & Deo Kumar Srivastava (USA) Title: Robust Behrens-Fisher Statistic and its Application in High Throughput Data • Prof. Amar Nath Gill Title: Single Stage Multiple Comparisons With the Average for Normal Means under Heteroscedasticity • Prof. Hukum Chandra Title: Small Area Prediction of Counts under a Spatial Non-Stationary Generalized Linear Mixed Model 	Board Room IHTM
11:30-01:00	<p>Invited Talk Session: 03 Chair: Prof. Kalpana Mahajan Speakers</p> <ul style="list-style-type: none"> • Dr. Sadia Khalil (Pakistan) Title: Evaluating Performance of Mean Estimators of Sensitive Variables under Measurement Errors and Non-Response with Respect to Efficiency and Respondent Privacy • Dr. Anshu Gupta Title: An Approach to Assess the Efficiency of Retail Stores and Identification of the Improvement Drivers • Prof. Usha Ramanathan (UK) Title: Statistics for Present and Future 	Smart Room IHTM
11:30-01:00	<p>Invited Talk Chair: Prof. S.K. Mishra Speaker: Prof. Veena Sharma (HPU) Title: Numerical Investigations of Thermal Convective Instability using Schwarzschild criterion: A Comparative Study</p> <p>Technical Session:04 Presenter: CPS-16: PAMT(23-30)</p> <ul style="list-style-type: none"> • Neelam Kumari • Rajesh Sangwan • Poonam Redhu & Priyanka • Sheetal Chawla, Jagbir Singh & Urmil • Seema Mehra & Anuradha • Meenakshi & Sumeet Gill • Rahul Hooda 	Conference Hall Department of Statistics (DOS)

11:30-01:00	Technical Session:05 Chair: Dr. Jyoti Dhingra Darbari Presenters:CPS-13: SCM (01-06 &08-09) <ul style="list-style-type: none"> • Uttam Kumar Khedlekar & Priyanka Singh • Uttam Kumar Khedlekar & Ram Kumar Tiwari • Uttam Kumar Khedlekar & Atmaram Nigwal • Aditi & Arshia Kaul • Nomita Pachar & Anshu Gupta • Akansha Jain & Arshia Kaul • Reena Nupur, Pallavi Sharma & Sushil Kumar • Pankaj, Vernika Agarwal & Rubina Mittal 	Seminar Hall DOS
11:30-01:00	Technical Session:06 Chair: Prof. S.N. Dwivedi Presenters: CPS-7: BS (1-4, 6-9 & 14) <ul style="list-style-type: none"> • Somesh P Rai, Arinjita Bhattacharyya, Sudhir Srivastava, Divya Srivastava, Xiaoyong Wu , Shesh N. Rai, Anand Seth, Marion McClain & Aruni Bhatnagar • Monika Goel • Alka Sabharwal, Gurprit Grover & Shrawan Kumar • Hariom Pachori, B. Das, Avinash Sharma & Dipanjan Bhattacharjee • B Jayakumar & R Elangovan • Ramakrishnan M & Ravanan R • Priyanka Anand & Rahul Gupta • Pankaj Kumar, Anil Kumar & V K Chauhan • Nilima & Shesh N. Rai 	Computer Lab DOS
01:00-02:30	Lunch	IHTM Lawn
02:30-04:00	Plenary Session-04 Chair: Prof. M. B. Rao (USA) Speakers <ul style="list-style-type: none"> • Prof. A.M. Mathai (CANADA) Title: On Rectangular Matrix-variate Distributions • Prof. H. N. Nagaraja (USA) Title: Measuring Agreement in Method Comparison Studies 	Conference Hall IHTM
02:30-04:00	Plenary Session-05 Chair: Prof. N. Balakrishna Speakers <ul style="list-style-type: none"> • Prof. Sanjay Shete (USA) Title: Mediation Analysis in a Case-control Study When the Mediator is a Censored Variable • Prof. Ram Ramanathan (UK) Title: How can Operational Research and Statistics be Combined to Support Policy Decisions? The Case of Environmental Policy 	Board Room IHTM

02:30-04:00	<p>Invited Talk Session:04 Chair: Prof. Sangeeta Arora Speakers</p> <ul style="list-style-type: none"> • Dr. Tianyuan Guan (USA) Title: Sample Size Calculations in Simple Linear Regression • Dr. Babita Goyal Title: Stochastic Finance: Applications of Stochastic Calculus in Finance • Prof. R. Elangovan Title: Stochastic Degradation Process using Accelerated Life Testing • Dr. Irfan Ali Title: An Optimization Modelling of Sustainable Developments Goals 	Smart Room IHTM
02:30-04:00	<p>Technical Session: 07 Chair: Dr. M.S. Kadyan Presenters: CPS-5: RTM (09-17) & CPS-12:IT(12)</p> <ul style="list-style-type: none"> • Kuntal Devi and Ashish Kumar • Gitanjali • Indeewar Kumar • Ombir Dahiya & Ashish Kumar • Anju Dhall • Jyoti Goyal & Bal Kishan • V. Kaviyarasu1 & S. Sivasankari • V.J. Munday • Komaldeep Kaur & R.K. Bhardwaj • Irshad M R 	Conference Hall (DOS)
02:30-04:00	<p>Technical Session: 08 Chair: Prof. Aquil Ahmed Presenters: CPS-1: SI(01-09)</p> <ul style="list-style-type: none"> • Kirandeep Kour • Viswanathan. N & Ravanan. R • Samridhi Mehta & Priyanka Aggarwal • Chandra Prakash Yadav & M. S. Panwar • Abdul Nasir Khan & Zaki Anwar • Ashok Kumar & Jitendra Kumar • Lalpawimawha & Arvind Pandey • Kawsar Fatima & S.P Ahmad • Maneesh Kumar & Devendra Kumar 	Seminar Hall DOS
02:30-04:00	<p>Technical Session:09 Chair: Dr. R.K. Bhardwaj Presenters: CPS-13: SCM (10-12&14) & CPS-15:GVA(01-05)</p> <ul style="list-style-type: none"> • Rahul Solanki & Jyoti Dhingra Darbari • Riju Chaudhary, Jyoti Dhingra Darbari, Vernika Agarwal, & Pankaj Garg 	Computer Lab (DOS)

	<ul style="list-style-type: none"> • Rashi Sharma & Jyoti Dhingra Darbari • Kusham Goyat & B.S. Gulia • Kavita & B.S.Gulia • Anil Kumar & B.S. Gulia • Priyanka & B.S. Gulia • Sandeep Kumar & B.S. Gulia 	
04:00-04:15	Tea	IHTM & DOS
04:15-05:15	<p>Invited Talk Session:05 Chair: Prof.K.Senthamarai Kannan Speakers</p> <ul style="list-style-type: none"> • Prof. K. Muralidharan Title: Some Tests of Hypothesis on Inliers • Prof. S. N. Dwivedi Title: Methods to Derive Accurate Estimate of Risk Ratio using Binary Regression Models for Nodal Involvement among Oral-cancer Patients 	Conference Hall IHTM
04:15-05:15	<p>Invited Talk Session:06 Chair: Prof. David Hangal Speakers</p> <ul style="list-style-type: none"> • Prof. N. Balakrishna Title: Some non-Gaussian Stochastic Volatility Models • Dr. Alka Sabharwal Title: Handling Retrospective and Cross sectional Data in Biomedical Studies with Statistical Modelling 	Smart Room IHTM
04:15-05:15	<p>Technical Session:10 Chair: Prof. R. Vijayaraghavan Presenter: CPS-1: SI(10-15)</p> <ul style="list-style-type: none"> • Keerthi Astagimath & Parameshwar V.Pandit • Sana & M. Faizan • V.Kaviyarasu & P.Sivakumar • Ankita Sharma & Parmil Kumar • B. Singh, R.U. Khan & M.A.R. Khan • K.Senthamarai Kannan & S.Stephen Raj 	Board Room IHTM
04:15-05:15	<p>Students Project Competition Team: 01 (S.P. Phule University of Pune, Poona, India) Kshitija Bagul, Shraddha More & Madhave Sanap Team: 02 (CUSAT, Cochin, India) Annu T.P. , ANU Susan G. & Harsha Team: 03 (NMIS, Mumbai, India) Prasad Dalvi, Suraj Singh & Yahya Sait</p>	Conference Hall DOS
04:15-05:15	<p>Best Research Paper Presentation Chair: Prof. R.R. Reddy BRP-01: Satyanarayana BRP-02: Mohd. Arshad & Omer Abdalghani BRP-03: Harsha S</p>	Seminar Hall DOS

	BRP-04: H. Pokhriyal BRP-05: Dadasaheb G. Godase	
04:15-05:15	AR Kamat Best Thesis Award Presentation BTA-01: Jayant Jha BTA-02: Nimitha John	Computer Lab DOS
05:15	AGM of ISPS	Conference Hall DOS
06:30-08:30	Cultural Programme	R.K. Auditorium
08:30-09:30	Conference Dinner	Faculty House

	Day-3 (29-12-2018) (Saturday)	
08:00-9:30	Break Fast	Faculty House
09:30-11:00	Special Invited Session-01 Chair: Prof. C. Sateesh Kumar Speakers <ul style="list-style-type: none"> • Dr. Sanjeev K Tomer Title: Robust Bayesian Analysis of lifetime Data under Competing Risk Model • Dr. M S Panwar Title: Competing Risk Analysis of Masked Data from Maxwell Distribution Contributory Papers <ul style="list-style-type: none"> ➤ Sachin Chaudhary ➤ Rashmi Bundel ➤ Jitendra Kumar & Sanjeev K Tomer 	Smart Room IHTM
09:30-11:00	Special Invited Session-02 &03 Chair: Prof. Devender Kumar Garg Speakers <ul style="list-style-type: none"> • Venkat Ikkurthy • Dr. Nirpeksh Kumar • Title: Conditional Analysis of Phase II Exponential Chart for Monitoring Times to an Event Contributory Papers <ul style="list-style-type: none"> ➤ Amitava Mukherjee ➤ Amita Baranwal ➤ Ranjeet Kumar Singh & Nirpeksh Kumar ➤ Sonam Jaiswal & Nirpeksh Kumar ➤ Tribhuvan Singh & Nirpeksh Kumar 	Conference Hall IHTM
09:30-11:00	Invited Talk Session-07 Chair: Prof. S.M. Sunoj Speakers <ul style="list-style-type: none"> • Prof. Kalpana K. Mahajan Title: Some Nonparametric Tests Based on Functions of Sample Quasi Ranges 	Board Room IHTM

	<ul style="list-style-type: none"> • Prof. Sangeeta Arora Title: Lorenz and Related Orderings for Some Specific Distributions • Prof. H.C. Taneja Title: Residual and Past Lifetime Distributions: An Information Theoretic Approach 	
09:30-11:00	<p>Technical Session:11 Chair: Dr. Irfan Ali (AMU) Presenter: CPS-5: RTM (18-26)</p> <ul style="list-style-type: none"> • Mandeep Kaur & R. K. Bhardwaj • Ravinder Singh & R.K. Bhardwaj • Dhiraj Yadav & M.S. Barak • Pradeep Chaudhary • Shikha Bhardwaj & Rajeev Kumar • Akshita Sharma • Jyoti Anand • Ram Niwas • Mohit Yadav, Dalip Singh & Surendra Kumar 	Conference Hall DOS
09:30-11:00	<p>Technical Session:12 Chair: Prof. Veena Sharma (HPU) Presenter: CPS-16: PAMT(1-9)</p> <ul style="list-style-type: none"> • Sudesh Kumari & Renu Chugh • Monika & Savita Rathee • Ridam & Savita Rathee • Jagbir Singh & PrateekMor • M.S. Barak & Vinod Kaliraman • Happy Hooda • Manoj Kumar • Anju Panwar & Pinki • Anju Panwar & Monika 	Seminar Hall DOS
09:30-11:00	<p>Technical Session:13 Chair: Dr. Jyoti Dhingra Darbari Presenter: CPS-10:OR (1-6 & 8-10)</p> <ul style="list-style-type: none"> • Firoz Ahmad & Ahmad Yusuf Adhami • Srikant Gupta, Irfan Ali & Aquil Ahmed • Neeraj Kumar, Sweta Dahiya & Sanjey Kumar • S. Narayanamoorthy • Adarsh Anand, Jasmine Kaur & Ompal Singh • Adarsh Anand & Mohammed Shahid Irshad • Saroja Kumar Singh & Sarat Kumar Acharya • Omprakash S. Jadhav & K. N. Chinchodkar • G. ManoRanjitham, Sanjey Kumar & Neeraj Kumar 	Computer Lab DOS
11:00-11:30	Tea	IHTM & DOS

11:30-01:00	<p>Invited Talk Session: 08 Chair: Prof. B.K. Hooda Speakers</p> <ul style="list-style-type: none"> • Prof. Hare Krishna Title: Censoring Schemes in Life Testing Experiments • Prof. Parameshwar V Pandit Title: Statistical Inference on Stress-strength Reliability for Inverse Chen and Rayleigh Distributions • Prof. S.M. Sunoj Title: Some Reliability Aspects of Proportional Hazards Models using Quantile Functions 	Conference Hall IHTM
11:30-01:00	<p>Invited Talk Session: 09 Chair: Prof. Anwar Husain Speakers</p> <ul style="list-style-type: none"> • Prof. Tirupathi Rao Title: Evaluation of Treatment's Performance through Stochastic Model for Unorganized Drug Administrations • Prof. C.K. Jaggi Title: Cost Optimization for the Distribution of Relief Commodity under the Inventory Relief Chain Model • Prof. Ashok Shanubhogue Title: A Method of Constructing Test for the Parameter of Family of Lifetime Distributions under Type-II Censored Sample 	Board Room IHTM
11:30-01:00	<p>Invited Talk Session: 10 Chair: Prof. P.C. Jha Speakers</p> <ul style="list-style-type: none"> • Prof. G.C. Mishra Title: Role of Statistics to Assess Effect of Climate Change on Agriculture • Prof. K.K. Jose Title: Generalized Skewed Families of Circular Distributions and Their Applications • Prof. S.K. Mishra Title: Complementary Approximate Karush-Kuhn-Tucker Optimality Conditions 	Smart Room IHTM
11:30-01:00	<p>Technical Session:14 Chair: Prof. Vyas Dubey Presenters: CPS-3: ST (09-16)</p> <ul style="list-style-type: none"> • Sd, Jilani, G Srinivasa Rao & A Vasudeva Rao • Neha Singh & Gajendra K. Vishwakarma • Rohan D. Koshti & Kirtee K. Kamalja • Manpreet Singh & Sarbjit Singh Brar • Jasleen Kaur & Gagandeep Kaur • Ravinder Kumar & Sarbjit Singh Brar • Jagmeet Singh Bajwa & Sarbjit Singh Brar 	Conference Hall DOS

	<ul style="list-style-type: none"> • M. Vijaya Lakshmi, O. V. Raja Sekhram & G.V. S. R. Anjaneyulu 	
11:30-01:00	<p>Technical Session:15 Chair: Dr. Jitender Kumar Presenter: CPS-5: RTM (27-35)</p> <ul style="list-style-type: none"> • Sudesh K. Barak • Anil Dhankhar • Amit Kumar & S.C. Malik • D.S. Vashisth • Upma • Savita Deswal • Babasaheb K. Thorve & Raosaheb V. Latpate • Darpandeep Kour & J P Singh Joorel • Rajeev Kumar & Reena 	Seminar Hall DOS
11:30-01:00	<p>Technical Session:16 Chair: Prof. B.S. Biradar Presenter:CPS-1: SI(16-24)</p> <ul style="list-style-type: none"> • Indrajeet Kumar & Kapil Kumar • Anurag Pathak & Manoj Kumar • Mohammed H AbuJarad • K. Senthamarai Kannan & G. Sampath • Firdoos Yousuf & Athar Ali Khan • Afaq Ahmad, S.P Ahmad & A.Ahmed • Jagmohan Singh Dhakar, Hariom Pachori, Mohit Thukral & Shivam Dixit • Priyanka Sahni & Rajeev Kumar • Neetu, Priyanka Sahni & Rajeev Kumar 	Computer Lab DOS
01:00-02:30	Lunch	IHTM Lawn
02:30-04:00	<p>Invited Talk Session:11 Chair: Prof. P.R. Vital Speakers</p> <ul style="list-style-type: none"> • Prof. B.K. Hooda Title: Applications of Jackknife and Bootstrap Methods in Statistical Inference • Prof. C. Satheesh Kumar Title: Families of Discrete Distributions of Order k • Prof. B.S. Biradar Title: Bayesian Estimation of the Scale Parameter of the Weibull Distribution Using Ranked Set Sampling with Unequal Samples 	Conference Hall IHTM
02:30-04:00	<p>Invited Talk Session: 12</p> <ul style="list-style-type: none"> • Chair: Prof. G.C. Mishra <p>Speakers</p> <ul style="list-style-type: none"> • Dr. Anbupalam Thalamuthu (Australia) Title: Genetics of Exceptional Longevity Using Summary Statistics from Genome-wide Association Studies 	Board Room IHTM

	<ul style="list-style-type: none"> • Prof. Gajendra K. Vishwakarma Title: Gene Expression Data Analysis Using Bayesian State-Space Modeling • Dr. R. Ravanan Title: Structural Equation Model and its Applications using Analysis of Moment Structure (AMOS) 	
02:30-04:00	<p>Invited Talk Session: 13 Chair: Prof. C.K. Jaggi Speakers</p> <ul style="list-style-type: none"> • Prof. R. Vijayaraghavan Title: Construction of Life Test Sampling Inspection Plans – An Overview • Dr. P. Arumugam Title: Order Determination of Autoregressive Time Series Model-Bayesian Approach • Dr. Nagesh Kumar Siddu Title: A Method for Building Persona Based Emotional Conversational Agents 	Smart Room IHTM
02:30-04:00	<p>Technical Session:17 Chair: Dr. M.S. Kadiyan Presenters: CPS-2: MAET (01-09) & CPS-7: BS (5)</p> <ul style="list-style-type: none"> • S. D. Pawar & D. T. Shirke • Vinod Kumar • Mohit Thukral, Hariom Pachori, Shivam Dixit & Jagmohan Singh Dhakar • Zuber Akhter • Reetu Goel & Bhupendra Singh • Kapil Kumar • Rajni Goel & Hare Krishna • Neha Goel & Hare Krishna • Renu Garg, Hare Krishna & Madhulika Dube • Faiz Noor KhanYusufi, Fa Aquil Ahmed& Jamal Ahmad 	Conference Hall DOS
02:30-04:00	<p>Technical Session:18 Chair: Prof. Hare Krishna Presenters: CPS-1: SI(25-33)</p> <ul style="list-style-type: none"> • Savita & Rajeev Kumar • Gajendra K. Vishwakarma & Shubham Gupta • M. Vijaya Lakshmi , O. V. Raja Sekhram & G.V. S. R. Anjaneyulu • M. Vijaya Lakshmi, O. V. Raja Sekhram & G.V. S. R. Anjaneyulu • Jitendra Kumar & Sanjeev K. Tomer • Samadrita Bera & Nabakumar Jana • Nadiminti Nagamani & Manas Ranjan Tripathy • Ritu Kumari, Kalpana K. Mahajan & Sangeeta Arora • Sumit Kumar, Sanku Dey & Mahendra Saha 	Seminar Hall DOS

02:30-04:00	<p>Technical Session:19 Chair: Dr. Ashish Kumar (MUJ) Presenters: CPS-5: RTM (36-44) & CPS-14: DAPS(4-5)</p> <ul style="list-style-type: none"> • Neeraj & M.S. Barak • Shruti Chaudhary, Parul & Dheeraj Pawar • Divesh Garg, Reena Garg & Anju Dhall • Shalini Jindal, Reena Garg & Tarun Garg • Dalip Singh & Pinki • Sudesh Kumari & Rajeev Kumar • Bushra Khatoon & M.J.S. Khan • Princy & Rajeev Kumar • Ashok Kumar & Dheeraj Pawar • Himani Nanda & V.K. Shivgotra • Apurba Vishal Dabgotra & Sunil kumar 	Computer Lab DOS
04:00-04:30	Tea	IHTM & DOS
04:30-06:00	<p>Invited Talk Session: 14 Chair: Prof. Vyas Dubey Speakers</p> <ul style="list-style-type: none"> • Prof. Manoj Kumar Title: Adomian Decomposition Method for Solving Differential Equations and Its Applications in Engineering • Prof. Ramesh Verma (PGIMS) Title: Evaluate the Association between Transmissions of Soil-Transmitted Helminths with Personal Habits among Rural School Children • Prof. D.K Garg Title: m - Associate PBIB Designs using Youden-m Squares 	Board Room IHTM
04:30-06:00	<p>Invited Talk Session:15 Chair: Prof. Parmeshwar V. Pandit Speakers</p> <ul style="list-style-type: none"> • Dr. M.S. Kadyan Title: Performance Analysis of Butter-Oil (Ghee) Producing System of Milk Plant using Supplementary Variable Technique • Dr. R.K. Bhardwaj Title: On Reliability of a Constrained Renewable System • Dr. A.K. Malik Title: An Inventory Model with Quadratic Demand and Deteriorating Products for Maximum Life Time under Two Warehouses • Dr. Jitender Kumar Title: Profit Analysis of Paneer Producing System of Milk Plant using Arbitrary Distributions 	Conference Hall IHTM

<p>04:30-05:00</p> <p>05:00-06:00</p>	<p>Invited Talk Chair: Dr. R.V. Latpate Speaker: Dr. Ashish Kumar Title: Stochastic Modeling and Sensitivity Analysis of an Integrated Hardware-Software System Subject to Different Weather Conditions</p> <p>Technical Session:20 Presenters: CPS-5: RTM (45-51)</p> <ul style="list-style-type: none"> • Chhama Aggarwal & S.C. Malik • Ramesh Kumar & S.C. Malik • Permila • Adarsh Anand, Priyanka Gupta & Deepti Aggrawal • Nitika Ahlawat & S.C. Malik • Arvind Pandey • Pooja Jain & Dheeraj Pawar 	<p>Smart Room IHTM</p>
<p>04:30-06:00</p>	<p>Technical Session:21 Chair: Dr. D.K. Sharma (Guna) Presenters:CPS-12: IT(01-10)</p> <ul style="list-style-type: none"> • S.Geetha & S.Narayanamoorthy • Ahteshamul Haq, Srikant Gupta & Irfan Ali • Vikas Kumar, Gulshan Taneja & Samsher Chhoker • Pratiksha Tiwari • Shivangi Singh& Chanchal Kundu • Omdutt Sharma • Omdutt Sharma, Sonia & Priti Gupta • Murshid Kamal, Ahteshamul Haq, Srikant Gupta & Irfan Ali • Shivam Dixit, Jagmohan Singh Dhakar, Hariom Pachori& Mohit Thukral • Rajesh G. 	<p>Conference Hall DOS</p>
<p>04:30-06:00</p>	<p>Technical Session:22 Chair: Dr. M.S. Barak Presenters:CPS-16: PAMT (10-18)</p> <ul style="list-style-type: none"> • Jyoti Rani & Seema Mehra • Anju Panwar & Anita • Seema Mehra & Monia • Sheetal Chawla, Jagbir Singh& Nikita Tehlan • Meenakshi Gugnani • Ritika • Kusum Dhingra • Roji Lather • Lalji 	<p>Seminar Hall DOS</p>

04:30-06:00	Technical Session:23 Chair: Dr. R.K. Bhardwaj (PUP) Presenter: CPS-8: PDT (01-07) & CPS-16:PAMT(19-22) <ul style="list-style-type: none"> • Bilal Ahmad Para & Tariq Rashid Jan • Kaisar Ahmad & S.P. Ahmad • Aafaq Ahmad Rather & C. Subramanian • C. Subramanian • Aaliya Sayeed • Banoth Veeranna • Manjunath, B G • Vishvajit & Manju Pruthi • Savita Rathee & Reetu Bala • Priyanka Rani & Savita Rathee • Jagbir Singh & Kuldeep 	Computer Lab DOS
08:00-09:30	Dinner	Faculty House

	Day-4 (30-12-2018) (Sunday)	
08:00-9:30	Break Fast	Faculty House
09:30-11:00	Technical Session:24 Chair: Prof. D.K. Garg Presenters: CPS-1: SI(34-38) & CPS-6: DOE(01-05) <ul style="list-style-type: none"> • Bhatt Milind. B. & Patel S. R. • Hummara Sultan • Peer Bilal Ahmad • Devendra Kumar • Mansoor Rashid Malik & Devendra Kumar • Poonam Singh, Vandana Sarin & Neha Midha • Parneet Kaur & Davinder Kumar Garg • Parul Saini, Chetan & Ratna Raj Laxmi • Vikas Kumar & R. R. Laxmi • Sarita Saini & R.R. Laxmi 	Conference Hall IHTM
09:30-11:00	Technical Session:25 Chair: Dr. Sarabjeet Singh Presenters: CPS-3: ST (17-23) & CPS-14: DAPS(1-3) <ul style="list-style-type: none"> • Rajesh Singh & Supriya Khare • G. N. Singh & M. Usman • G. N. Singh, A. K. Pandey & A. K. Jaiswal • Med Ram Verma • Gajendra K. Vishwakarma, Abhishek Singh & Sayed Mohammed Zeeshan • V. Kaviyarasu & V. Devika • N. K. Sajeev kumar • Monika Sethi, Abhishek Vishwakarma & Tanay Ojha • Jayanta Deb, Tapan Kumar Chakrabarty • Nitin Tanwar & B. K. Hooda 	Smart Room IHTM

09:30-11:00	<p>Technical Session:26 Chair: Dr. Jyoti Anand</p> <ul style="list-style-type: none"> • Presenters: CPS-5: RTM (52-53& 55-63) &CPS-13: SCM (12) • Vikas Garg & M.S. Kadyan • Jyoti Nandal • Parveen Kumari , M.S. Kadyan & Jitender Kumar • Rita & M.S. Kadyan • Thomas Xavier & Joby K. Jose • S.K. Chauhan & S.C. Malik • N. Nandal & S.C. Malik • Ramesh Kumar • Naveen Kumar & S.C. Malik • Arun Kumar, Pardeep Goel & Deepika Garg • Promila • Pallavi Sharma, S C Malik & P C Jha 	Board Room IHTM
09:30-11:00	<p>Technical Session:27 Chair: Dr. Monika Saini</p> <p>Presenters:CPS-11: TSAS(1,& 3-9), CPS-5:RTM(54) & CPS-13: SCM (7& 14)</p> <ul style="list-style-type: none"> • Nimitha John & N.Balakrishna • Joginder Kumar • V. K. Chaudhary • K. Senthamarai Kannan & M.Velusamy • Kadek Jemmy Waciko & Ismail, B • Vikash kumar • Ekta Hooda & B K Hooda • Deepika Verma & Joginder Kumar • Ramandeep Kaur & Stuti Arora • Arshia Kaul & Akansha Jain • Nidhi Ahuja, Jyoti Dhingra Darbari & Vernika Agarwal 	Conference Hall DOS
09:30-11:00	<p>Technical Session:28 Chair: Dr. A.K. Malik (BKBIET)</p> <p>Presenter: CPS-12: IT(11 & 13-19) & CPS-16: PAMT (30-32)</p> <ul style="list-style-type: none"> • Shivi Agarwal & Trilok Mathur • Ashiq Hussain Bhat • Alka Rani, Omdutt Sharma & Priti Gupta • D.K. Sharma • H. P. Umap • Manmath Haridasrao Lohgaonkar • Jaspreet Kour • Santosh Kumari • Asha Sangwan, Baljeet Singh & Jagdish Nandal • Savita Rathee • Renu & Pooja Bhatia 	Seminar Hall DOS

09:30-11:00	Technical Session:29 Chair: Prof. Anwar Husain Presenters: CPS-7: BS (10-14& 15-17) & CPS-10:OR (7) <ul style="list-style-type: none"> • Lavanya Ravichandran, Mathavan Muthaiyan & Amouda Venketesan • Anjana Rajagopal, MathavanMuthaiyan & Amouda Venketesan • M.Parthiban & G. Prabavathy • Anvesha, B.M.Vashisht, Himanshu Bhardwaj • GinniAgrawal, Ramesh Verma, Piyush Jain • Shishir Kumar Jha • Sarika Yadav & Pardeep Khanna • Shivi Agarwal, Trilok Mathur & Swati Goyal 	Computer Lab DOS
11:00-11:30	Tea	IHTM
11:30-01:00	Plenary Session-06 Chair: Prof. P C Jha Speakers <ul style="list-style-type: none"> • Prof. Kannan Govindan (Denmark) Title: Recent advancements of Green and Sustainable Supply Chain • Prof. J. Awrejcewicz (Poland) Title: Regular and Chaotic Dynamics of Micro/Nano Structural Members 	Conference Hall IHTM
11:30-01:00	Technical Session:30 Chair: Dr. Adarsh Anand (DU) Presenters:CPS-4: SPQT (1-10) <ul style="list-style-type: none"> • K. Senthamarai Kannan & A. Mohamed Ashik • Arijit Patra & Chanchal Kundu • Amin ShakaAunali & D. Venkatesan • Gulab Singh Bura • Anand Swaroop Pandey • G. Paulraj, N. Paranjothi & R. Sivasamy • Neelam Singla & Sonia Kalra • Amit Jain • Arumugam, P & Karthik, S.M • E. Sabarimalai & N. Pukazhenth 	Smart Room IHTM
11:30-01:00	Technical Session:31 Chair: Prof. C. Satheesh Kumar Presenters:CPS-11: TSAS(10-13 &15-18) <ul style="list-style-type: none"> • Nand Kishore singh & Neha Nehra • Monika Saini & Ashish Kumar • Abhilasha Bhardwaj • Nisha Sumbherwal, Mohit Nain, D.R. Aneja & B.K Hooda • Shivani Gupta & Sangeeta Bansal • Muthukrishnan R. & N.Udaya Prakash • Poonam Godara, B.K. Hooda & Ram Avtar • Sanjeet Singh, Sanjay Kumar Jha & Anita Punia 	Board Room IHTM

11:30-01:00	Technical Session:32 Chair: Dr. Indever Kumar Presenters: CPS-14: DAPS(6-14) <ul style="list-style-type: none"> • Monika & Chhavi Rana • S. Keerthivarman & G. Kumarapandiyam • Raj Mishra • Anchal & Pooja Mittal • Naresh Kumar • Suman Kharb • Sheela Kumari • Vishal Singh • Vishal Singh 	Conference Hall DOS
01:00-02:00	Valedictory Function	Conference Hall IHTM
02:00 PM	Lunch	Faculty House

Note

- CPS-1: Statistical Inference (SI)
- CPS-2: Multivariate Analysis and Estimation Theory (MAET)
- CPS-3: Sampling Theory (ST)
- CPS-4: Stochastic Process and Queuing Theory (SPQT)
- CPS-5: Reliability Theory and Modelling (RTM)
- CPS-6: Design of Experiment (DOE)
- CPS-7: Bio Statistics (BS)
- CPS-8: Probability and Distribution Theory (PDT)
- CPS-9: Statistical Quality Control (SQC)
- CPS-10: Operation Research (OR)
- CPS-11: Time Series and Applied Statistics (TSAS)
- CPS-12: Information Theory (IT)
- CPS-13: Supply Chain Management (SCM)
- CPS-14: Data Analytics and Population Studies (DAPS)
- CPS-15: Geometrical Visual Arts (GVA)
- CPS-16: Pure and Applied Mathematics (PAMT)

Prof. S.C. Malik
Convener-2018