

# Tentative Program of the Conference

November 12, 2009

January 4th (Monday)

<i>Time</i>	<i>Program</i>
<b>7:30 – 9:00</b>	<b>Registration</b>
<b>9:00 – 10:45</b>	<b>Opening Ceremony</b>
<b>10:45 – 11:00</b>	<b>Coffee Break</b>
<b>11:00 – 12:00</b>	<b>Plenary Talk – 1: C.R. Rao</b>
<b>12:00 – 1:00</b>	<b>Plenary Talk – 2: Robert Elston</b> <i>Biometrical genetics: Past, present and future</i>
<b>1:00 – 2:15</b>	<b>Lunch Break</b>
<b>2:15 – 4:15</b>	<b>Special Invited Sessions: A1 – A8</b> (Half-hour talks)
<b>4:15 – 4:30</b>	<b>Coffee Break</b>
<b>4:30 – 5:30</b>	<b>Invited Sessions: J1 – J7</b> (12-minute talks) <b>J8: U.S. Nair Young Statistician Award Competition</b>
<b>5:45 – 7:15</b>	<b>Felicitations</b>
<b>7:15 – 10:00</b>	<b>Banquet</b>

## January 5th (Tuesday)

<i>Time</i>	<i>Program</i>
<b>8:30 – 9:30</b>	<b>Plenary Talk – 3: S.R. Jammalamadaka</b> <i>Gaps between observations: What can one learn from them?</i> <b>Plenary Talk – 4: Lakshminarayana</b>
<b>9:35 – 10:35</b>	<b>Invited Sessions: K1 – K8</b> (12-minute talks)
<b>10:35 – 10:50</b>	<b>Coffee Break</b>
<b>10:50 – 12:50</b>	<b>Special Invited Sessions: B1 – B7</b> (Half-hour talks)
<b>12:50 – 2:00</b>	<b>Lunch Break</b>
<b>2:00 – 4:00</b>	<b>Special Invited Sessions: C1 – C8</b> (Half-hour talks)
<b>4:00 – 4:15</b>	<b>Coffee Break</b>
<b>4:15 – 6:15</b>	<b>Invited Sessions: L1 – L7</b> (12-minute talks) <b>L8: ISPS MSc Project Presentation Competition</b>
<b>6:15 – 7:00</b>	<b>IISA General Body/Executive Meeting</b> <b>ISPS General Body Meeting</b>

### January 6th (Wednesday)

<i>Time</i>	<i>Program</i>
<b>8:30 – 9:30</b>	<b>Plenary Talk – 3: S.R.S. Varadhan Plenary Talk – 4: B.L.S. Prakasa Rao</b>
<b>9:35 – 10:35</b>	<b>Invited Sessions: M1 – M8 (12-minute talks)</b>
<b>10:35 – 10:50</b>	<b>Coffee Break</b>
<b>10:50 – 12:50</b>	<b>Special Invited Sessions: D1 – D7 (Half-hour talks)</b>
<b>12:50 – 2:00</b>	<b>Lunch Break</b>
<b>2:00 – 4:00</b>	<b>Special Invited Sessions: E1 – E7 (Half-hour talks)</b>
<b>4:00 – 4:15</b>	<b>Coffee Break</b>
<b>4:15 – 6:15</b>	<b>Invited Sessions: N1 – N8 (12-minute talks)</b>
<b>6:30 – 7:30</b>	<b>Felicitations</b>
<b>7:30 – 10:00</b>	<b>Cultural Program and Dinner</b>

**January 7th (Thursday)**

<i>Time</i>	<i>Program</i>
<b>8:30 – 10:30</b>	<b>Special Invited Sessions: F1 – F6</b> (Half-hour talks)
<b>10:30 – 10:45</b>	<b>Coffee Break</b>
<b>10:45 – 12:45</b>	<b>Special Invited Sessions: G1 – G6</b> (Half-hour talks)
<b>12:45 – 2:00</b>	<b>Lunch Break</b>
<b>2:00 – 7:30</b>	<b>Sightseeing tour</b>

## January 8th (Friday)

<i>Time</i>	<i>Program</i>
<b>8:30 – 10:30</b>	<b>Special Invited Sessions: H1 – H4</b> (Half-hour talks)
<b>10:30 – 10:45</b>	<b>Coffee Break</b>
<b>10:45 – 12:45</b>	<b>Special Invited Sessions: I1 – I5</b> (Half-hour talks)
<b>12:45 – 2:00</b>	<b>Lunch Break</b>
<b>2:00 – 3:00</b>	<b>Invited Sessions: O1 – O7</b> (12-minute talks)
<b>3:00 – 4:00</b>	<b>Valedictory Function</b>

**A-1**

*“Measuring Social and Economic Advancement”*

(Organizer: **Subir Ghosh**)

- (a) **Dr. Pronab Sen** (National Statistical Comm., Govt. of India)
- (b) **Dr. Rajiv Mehta** (National Sample Survey Org., Govt. of India)
- (c) **Dr. Kirit S. Parikh** (Planning Commission, Govt. of India)
- (d) **Dr. Dilip M. Nachane** (Indira Gandhi Inst. Devel. Res., India)

**A-2**

*“Resampling Methodology”*

(Organizer: **S.N. Lahiri**)

- (a) **Karin S. Dorman** (Iowa State Univ., Ames, Iowa)
- (b) **Bodhisattva Sen** (Columbia University, New York)
- (c) **Ranjan Maitra** (Iowa State University, Iowa)
- (d) **S.N. Lahiri** (Texas A&M University, Texas)

**A-3**

*“Censored Survival Data Analysis”*

(Organizer: **S. Subramanian**)

- (a) **Gerhard Dikta** (Aachen, Germany)
- (b) **W. Stute** (Giessen, Germany)
- (c) **Jane-Ling Wang** (Univ. of California - Davis)
- (d) **S. Subramanian** (New Jersey Inst. of Technology, New Jersey)

**A-4**

*“Stochastic Orderings and Applications”*

(Organizer: **S.C. Kocher**)

- (a) **Neeraj Mishra** (IIT-Kanpur, India)
- (b) **Kanchan Jain** (Panjab University, India)
- (c) **Subhash Kocher** (Portland State University, Oregon)
- (d) **Baha Khaledi** (Razi University, Kermanshah, Iran)

**A-5**

“*Censoring Methodology and Inference*”

(Organizer: **Vasudevan Mangalam**)

- (a) **Somnath Datta** (Univ. of Louisville, Kentucky)
- (b) **H.K. Tony Ng** (Southern Methodist Univ., Texas)
- (c) **Vasudevan Mangalam** (Univ. Brunei Darussalam, Brunie)
- (d) **Masahito Hayashi** (Tohoko University, Japan)  
*Quantum statistical state estimation and quantum Cramer-Rao bound*

**A-6**

“*Small Area Estimation*”

(Organizers: **Hukum Chandra & U. C. Sud**)

Session by *Indian Agricultural Statistics Research Inst.*

- (a) **Partha Lahiri** (University of Maryland, College Park, MD)  
*Adjusted maximum likelihood method in the small-area estimation with applications*
- (b) **Snigdhanu Chatterjee**(University of Minnesota, MN)  
*On the extended Fay-Herriot model for small area statistics*
- (c) **Sanjay Chaudhuri** (National Univ. of Singapore, Singapore)  
*Empirical likelihood for small area estimation*
- (d) **B.V.S. Sisodia** (Narendra Deva Univ., Faizabad, India)  
*Methods of small area crop estimation for crop production – An empirical illustration*

**A-7**

“*Random Matrices and Asymptotics*”

(Organizer: **Subir Ghosh**)

- (a) **Arunava Mukherjea** (Univ. of Texas–Pan American, TX)
- (b) **Shankar Bhamidi** (Univ. of North Carolina, Chapel Hill, NC)
- (c) **Alok Goswami** (ISI-Kolkata, India)
- (d) **T.E.S. Raghavan** (University of Illinois, Chicago, IL)  
*Applications of cooperative game theory*

**A-8**

*“Stochastic Volatility Models”*

(Organizer: **T.V. Ramanathan**)

Session by the *Indian Statistical Association*

- (a) **A. Thavaneswaran** (Univ. of Manitoba, Canada)
  - (b) **N. Balakrishna** (Cochin Univ. of Science and Technology, India)
  - (c) **N. K. Unnikrishnan** (Reserve Bank of India, Mumbai, India)
  - (d) **Neelabh Rohan** (Univ. of Pune, India)
- 

**B-1**

*“Statistics as a Profession”*

(Organizer: **Sastry Pantula**)

(Chair: **Sastry Pantula**)

Session by *American Statistical Association*

- (a) **Srinivas Bhogle** (TEOCO, Bangalore, India)  
*The statistical disconnect*
- (b) **Roger F. Liddle** (GlaxoSmithKline R&D, North Carolina)  
*GlaxoSmithKline’s statistics and programming facility in Bangalore, and associated educational strengths and opportunities in India*
- (c) **Robert N. Rodriguez** (SAS Institute, Cary, North Carolina)  
*New career opportunities for statisticians in business and industry*
- (d) **Sastry Pantula** (North Carolina State Univ., North Carolina)  
*Training problem solvers*

**B-2**

*“Categorical Data and Inference”*

(Organizer: **Cyrus R. Mehta**)

- (a) **Devan Mehrotra** (Merck)
- (b) **L.J. Wei** (Harvard Univ., Boston)
- (c) **Christopher Corcoran** (Utah State University, Utah)
- (d) **Chris J. Lloyd** (Melbourne Business School, Australia)

**B-3**

*“Use of Statistics in the Pharmaceutical Industry”*

(Organizers: **Ashwini Mathur & Pulak Ghosh**)

Session by *International Biometrics Society &*

*Indian Association for Statistics in Clinical Trials*

- (a) **Debjit Biswas** (Bristol-Myers Squibb, Mumbai, India)
- (b) **Karthinathan Thangavelu** (Novartis, Basel, Switzerland)
- (c) **Sujit Ghosh** (North Carolina State Univ., Raleigh, NC)
- (d) **Ashwini Mathur** (Novartis, Hyderabad, India)

**B-4**

*“Statistical Modelling”*

(Organizers: **Prajneshu & Himadri Ghosh**)

Session by *Indian Agricul. Stat. Res. Inst., New Delhi*

- (a) **Yogendra P. Chaubey** (Concordia Univ., Montreal, Canada)
- (b) **Sujit K. Sahu** (University of Southampton, U.K.)
- (c) **Himadri Ghosh** (IASRI, New Delhi, India)
- (d) **Toshio Sumi** (Kyushu University, Japan)  
*Lifting between the sets of three-way contingency tables and  $r$ -neighbourhood property for  $3 \times 3 \times K$*

**B-5**

*“Long Memory Processes”*

(Organizer: **Rita Ghosh**)

- (a) **Jan Beran** (Univ. of Konstanz, Germany)
- (b) **Yuanhua Feng** (Univ. of Paderborn, Germany)
- (c) **Liudas Giraitis** (Univ. of London, England)
- (d) **Rafal Kulik** (Univ. of Ottawa, Canada)

**B-6***“Statistical Genetics”*(Organizer: **Varghese George**)

- (a) **Robert Elston** (Case Western University, Cleveland, Ohio)  
*Single-marker and two-marker association tests for unphased case-control genotype data*
- (b) **Varghese George** (Medical College of Georgia, Georgia)  
*Haplotype construction in admixed populations*
- (c) **Saurabh Ghosh** (ISI-Kolkata, India)  
*Model-free linkage and association mapping of complex traits using quantitative endophenotypes*
- (d) **Nitai Mukhopadhyay** (Virginia Commonwealth Univ., VA)  
*Bayesian model selection for inverse correlation matrices with application to gene expressions*

**B-7***“Directional Data Analysis”*(Organizer: **Ashis SenGupta**)

- (a) **Sungsu Kim** (California Baptist University, CA)
  - (b) **Barry C. Arnold** (Univ. of California, Riverside, CA)
  - (c) **A. Roy Choudhury** (Univ. of California, Riverside, CA)
  - (d) **A.V. Dattatreya Rao** (Nagarjuna Univ., India)
- 

**C-1***“Some Emerging Issues in Clinical Trials”*(Organizer: **Ram C. Tiwari**)

- (a) **Pulak Ghosh** (Georgia State Univ., Georgia)
- (b) **Chitra Lele** (Sciformix Technologies, India)
- (c) **Sanjib Basu** (Northern Illinois Univ., Illinois)
- (d) **Ram C. Tiwari** (Food & Drug Admin., Washington, DC)

**C-2**      “*Accelerating Pharmaceutical Development*”  
(Organizer: **D. Mehrotra**)

- (a) **P.K. Tandon** (Genzyme)
- (b) **Kannan Natarajan** (Novartis)
- (c) **Cyrus Mehta** (Cytel, Boston)
- (d) **Martin Posch** (Medical Univ. of Vienna, Austria)

**C-3**      “*Econometrics and Statistics*”  
(Organizer: **Bo Ranneby**)

- (a) **Allen Klaiber** (Pennsylvania, USA)
- (b) **Michael Hanemann** (Univ. of California - Berkeley)
- (c) **Magnus Ekstrom** (Swedish Univ. of Agricult. Sciences, Sweden)
- (d) **Bengt Kristrom** (Swedish Univ. of Agricult. Sciences, Sweden)

**C-4**      “*Inference in Multivariate Data*”  
(Organizer: **Y. P. Chaubey**  
Chair: **P. K. Sen**)

- (a) **Govind S. Mudholkar** (University of Rochester, NY)  
*Data-transformation approach to lifetimes data analysis: An overview*
- (b) **Ashis Sengupta** (ISI-Kolkata, India)  
*Unified approach to testing independence in probability models for directional data*
- (c) **Deokumar Srivastava** (St. Jude Children Res. Hospital, TN)
- (d) **Jingjing Wu** (University of Calgary, Canada)  
*A logistic regression model and the parameter estimation*

**C-5**

*“Advances in Nonparametrics and Asymptotics”*

(Organizer: **Subir Ghosh**)

- (a) **Holger Dette** (Ruhr-University, Bochum, Germany)
- (b) **Melanie Birke** (Ruhr-University, Bochum, Germany)
- (c) **Madan L. Puri** (Indiana Univ., Bloomington, Indiana)
- (d) **Debasis Bhattacharya** (Visva-Bharati Univ., India)  
*Local asymptotic properties of the log-likelihood ration statistic: LAN, LAMN and beyond*

**C-6**

*“Advances in Design and Analysis of Experiments”*

(Organizer: **Rajinder Prasad**)

Session by *Indian Agricultural Statist. Research Inst.*

- (a) **Sudhir Gupta** (Northern Illinois Univ., DeKalb, IL)
- (b) **Mausumi Bose** (ISI-Kolkata, India)
- (c) **Kashinath Chatterjee** (Visva-Bharati Univ., Santiniketan, India)
- (d) **Rita Saharay** (ISI-Kolkata, India)

**C-7**

*“Semi- and Non-parametric Inference”*

(Organizer: **Hira Lal Koul**)

- (a) **Wolfgang Wefelmeyer** (University of Cologne, Germany)
- (b) **Uschi Müller-Harknett** (Texas A&M Univ., Texas)  
*Estimating the density of a possibly missing response variable in nonlinear regression*
- (c) **Weixing Song** (Kansas State University, Kansas)

**C-8**

*“Recent Advances in Sample Surveys”*

(Organizers: **U. C. Sud & Hukum Chandra**)

Session by *Indian Agricultural Statist. Research Inst.*

- (a) **Avi Singh** (NORC, University of Chicago, IL)  
*Hybrid strategies for cost and estimation efficient design of sample surveys in the 21st century*
  - (b) **Pushpal Mukhopadhyay** (SAS Institute, North Carolina, USA)  
*Quasi-score tests for Cox’s proportional hazards models from survey data*
  - (c) **Sanghamitra Pal** (West Bengal State Univ., India)  
*Modifications on bootstrap in case of rare and illusive population*
  - (d) **R. Arnab** (University of Botswana, Botswana)  
*Variance estimation for complex survey designs with reference to HIES and BAIS II Survey Data – 1*
- 

**D-1**

*“Innovations of Statistics for Biology and Medicine”*

(Organizer: **Deb Sinha**)

- (a) **Dipak Dey** (Univ. of Connecticut, Storrs, CT)  
*Analysis of extreme drinking in patients with alcohol dependence using Pareto regression*
- (b) **Mousumi Banerjee** (Univ. of Michigan, Ann Arbor, MI)  
*Competing risks with missing cause of death: Application to a cohort study of breast cancer*
- (c) **Debajyoti Sinha** (Florida State Univ., Tallahassee, FL)  
*Approximate median regression in survival analysis via transform-both-sides model*
- (d) **Bibhas Chakraborty** (Columbia Univ., New York)  
*Inference for non-regular parameters in optimal dynamic treatment regimes*

**D-2***“Survey Sampling”*(Organizer: **Gauri Datta**)

- (a) **Michael Elliott** (Univ. of Michigan, Ann Arbor)
- (b) **T. Raghunathan** (Univ. of Michigan, Ann Arbor)
- (c) **Danney Pfeffermann** (Hebrew Univ., Israel)
- (d) **Meena Khare** (NCHS/CDC, Hyattsville, MD)  
*An evaluation of bias and total survey error in a complex telephone survey of health*

**D-3***“Topics in Inference”*(Organizer: **S.R. Jammalamadaka**)

- (a) **Kaushik Ghosh** (Univ. of Nevada, Las Vegas, Nevada)  
*A unified approach to variations of ranked set sampling*
- (b) **Tom Kozubowski** (Univ. of Nevada, Reno, Nevada)  
*Multivariate models connected with sums and maxima of exponential variables*
- (c) **P. Vellaisamy** (IIT-Mumbai, India)  
*A-collapsibility of distribution dependence and quantile regression coefficients*
- (d) **Balgobin Nandram** (Worcester Polytechnic Inst., USA)  
*Bayesian predictive inference for benchmarking small areas*

**D-4***“Biostatistics”*(Organizer: **K.R. Sundaram**)Session by the *Amrita Institute of Medical Sciences, Kochi*

- (a) **Ajit Sahai** (JIPMER, Pondicherry, India)
- (b) **P. Venkatesan** (Tuberculosis Research Center, Chennai, India)
- (c) **K.R. Sundaram** (AIMSRC, Kochi, India)

**D-5**

*“Survival Analysis”*

(Organizer: **P.G. Sankaran**)

- (a) **Isha Dewan** (ISI - New Delhi, India)
- (b) **Biswabrata Pradhan** (ISI - Kolkata, India)
- (c) **M.A. Islam** (Univ. of Dhaka, Bangladesh)
- (d) **Aruna Rao** (Mangalore University, India)

**D-6**

*“Probability Theory and Stochastic Processes”*

(Organizer: **Santanu Chakraborty**)

- (a) **B.V. Rao** (ISI-Kolkata, India)
- (b) **B. Rajeev** (ISI-Bangalore, India)
- (c) **Arnab Kumar Laha** (IIM-Ahmedabad, India)  
*Valuation of weather derivatives – An application*
- (d) **Mark M. Meerschaert** (Michigan State Univ., MI)  
*Fractional Cauchy problems in bounded domains*

**D-7**

*“Bayesian Analysis with Applications”*

(Organizer: **S.K. Upadhyay**)

Session by *Indian Bayesian Society*

- (a) **Kalyan Das** (Calcutta University, Kolkata, India)  
*Inferences for joint modeling of repeated ordinal scores and time to event data*
  - (b) **Athar Ali Khan** (Aligarh Muslim Univ., Aligarh, India)  
*Bayesian applications in agricultural statistics with R*
  - (c) **S.K. Upadhyay** (Banaras Hindu Univ., Varanasi, India)  
*Bayesian modeling of bathtub shaped hazard rate using Weibull extension, modified Weibull and Weibull families*
  - (d) **Richa Vatsa** (Trinity College, Dublin, Ireland)  
*The variational Bayes method for inverse problems with applications to the palaeoclimate reconstruction*
-

**E-1***“Statistics in Agriculture”*(Organizer: **John Boyer**)Session by *American Statistical Association*

- (a) **Dallas Johnson** (Kansas State University, Kansas)  
*Some messy experimental designs*
- (b) **George Fernandez** (University of Nevada, Reno, Nevada)  
*Data mining applications in agriculture*
- (c) **Julia Sharp** (Clemson University, SC)  
*Testing for co-directional interactions in two-factor experiments using union-intersection and intersection-union methods*
- (d) **Kevin S. McCarter** (Louisiana State University, LA)  
*Using semi-parametric models to account for spatial variability in developing variable-rate treatment prescriptions for applications in precision agriculture*

**E-2***“Multivariate Analysis”*(Organizer: **Dayanand Naik**)

- (a) **R.N. Rattihalli** (Univ. of Botswana, Gaborone, Botswana)  
*Generalized multivariate models*
- (b) **Ravi Khattree** (Oakland Univ., Michigan)  
*Antieigenvalues and antieigenvalues in applied statistics*
- (c) **K.S. Madhava Rao** (Univ. of Botswana, Gaborone, Botswana)  
*A simple nonparametric test for bivariate symmetry*
- (d) **Dayanand Naik** (Old Dominion Univ., Norfolk, Virginia)

**E-3***“Model Selection”*(Organizer: **Subir Ghosh**)

- (a) **Arijit Chakrabarti** (ISI-Kolkata, India)
- (b) **Jayanta K. Ghosh** (ISI-Kolkata & Purdue Univ., Indiana)
- (c) **Axel Munk** (Univ. of Goettingen, Germany)
- (d) **Klaus Frick** (Univ. of Goettingen, Germany)

**E-4**

*“Advances in Distribution-Free Methods”*

(Organizer: **Subir Ghosh**)

(Chair: **Jagbir Singh**)

- (a) **Byeong U. Park** (Seoul National Univ., S. Korea)
- (b) **Anil K. Ghosh** (ISI-Kolkata, India)
- (c) **Johannes Schmidt-Hieber** (Univ. Göttingen, Germany)
- (d) **Hee-Seok Oh** (Seoul National Univ., S. Korea)

**E-5**

*“Challenges in Statistical Inference”*

(Organizer: **Subir Ghosh**)

- (a) **Nozer D. Singpurwalla** (George Washington Univ., DC)
- (b) **Ayanendranath Basu** (ISI-Kolkata, India)
- (c) **Thomas Mazzuchi** (George Washington Univ., DC)
- (d) **Ulrike Genschel** (Iowa State Univ., Ames, Iowa)

**E-6**

*“Applications to Probability and Statistics”*

(Organizer: **P.S.V. Varma**)

- (a) **James Malley** (NIHCIT, Bethesda, MD)
- (b) **M.K. Reddy** (Osmania University, India)
- (c) **P.K. Kapoor** (Delhi University, India)

**E-7**

*“Statistics in Drug Development”*

(Organizer: **Amarjot Kaur**)

- (a) **Ernst Wit** (Univ. of Groningen, The Netherlands)  
*Extensions of LARS for GLMs*
- (b) **Jayanti Gupta** (Manipal AcuNova Ltd., Bangalore, India)  
*Designing clinical trials: Lessons for US and India*
- (c) **M. Lakshminarayanan** (Merck, Rahway, New Jersey)  
*Meaningful and reproducible conclusions in clinical trials: A statistician’s perspective*
- (d) **Amarjot Kaur** (Merck, Rahway, New Jersey)  
*Nonproportional hazards assumption in time-to-event data in clinical trials*

**F-1**

*“New Frontiers of Statistical Genetics: Fresh Perspectives”*

(Organizer: **Bhramar Mukherjee**)

- (a) **Sebastian Zollner** (Univ. of Michigan, Ann Arbor)
- (b) **Saonli Basu** (Univ. of Minnesota, Minneapolis)
- (c) **Paul Scheet** (M.D. Anderson Cancer Center, Texas)
- (d) Discussion by **Bhramar Mukherjee**

**F-2**

*“Applied Probability”*

(Organizer: **Sunil K. Dhar**)

- (a) **Pranab K. Sen** (Univ. of North Carolina, Chapel Hill)
- (b) **Arka P. Ghosh** (Iowa State Univ., Ames)  
*Optimal control of a stochastic network driven by a fractional Brownian motion input*
- (c) **M.C. Bhattacharjee** (New Jersey Inst. of Technology, NJ)
- (d) **Sunil K. Dhar** (New Jersey Inst. of Technology, NJ)

**F-3**

*“Bayesian Models for Complex Multivariate Data”*

(Organizer: **Veera Baladandayuthapani**)

- (a) **Ananda Mayee Majumdar** (Arizona State University, AZ)  
*A locally stationary multivariate spatial covariance modeling approach*
- (b) **Veera Baladandayuthapani** (Univ. of Texas M.D. Anderson Cancer Center, Houston, TX)  
*Bayesian functional methods for copy number data*
- (c) **Gary Rosner** (Univ. of Texas M.D. Anderson Cancer Center, Houston, TX)  
*A Bayesian model for repeatedly-repeated binary data*
- (d) **Bani Mallick** (Texas A&M University, College Station, TX)

**F-4***“Analysis of Multiple Endpoints in Clinical Trials”*(Organizer: **Mohammad Huque**)(Chair: **Mani Lakshminarayanan**)

- (a) **Frank Bretz** (Novartis, Basel, Switzerland)  
*A graphical approach to sequentially rejective multiple test procedures*
- (b) **Steve Wilson** (US FDA, Silver Spring, MD)  
*Multiplicity issues and the clinical trials evidence supporting the approval of new drugs: Recent statistical review experience*
- (c) **David Li** (Wyeth, Pennsylvania)  
*A simple and powerful distribution-free gatekeeping method*
- (d) **Mohammad Huque** (US FDA, Silver Spring, MD)  
*An improved ad-hoc multiplicity adjustment method for correlated response variables*

**F-5***“Ordered Data – Models and Methods”*(Organizer: **H.N. Nagaraja**)

- (a) **Erhard Cramer** (Inst. Statist. Wirtschaft., Aachen, Germany)
- (b) **Qinying He** (Southwestern Univ. of Finance & Econ., China)
- (c) **H.N. Nagaraja** (Ohio State Univ., Columbus, OH)

**F-6***“Distribution Theory”*(Organizer: **Debasis Kundu**)

- (a) **R. C. Gupta** (University of Maine, Orono, Maine)
  - (b) **G. Hamedani** (Marquette Univ., Milwaukee, WI)
  - (c) **N. R. Chaganty** (Old Dominion Univ., Norfolk, VA)
  - (d) **P.G. Sankaran** (Cochin Univ. of Science & Tech., India)
-

**G-1**

*“Statistical Methods in Genetics and Public Health Research”*

(Organizer: **Sowmya Rao**)

- (a) **Sowmya Rao** (Massachusetts General Hospital, Boston, MA)
- (b) **Arindam RoyChoudhury** (Columbia Univ., New York)  
*Estimation of population tree from single nucleotide polymorphism (SNP) data*
- (c) **Bhramar Mukherjee** (Univ. of Michigan, Ann Arbor, MI)
- (d) **William C. L. Stewart** (Columbia Univ., New York)

**G-2**

*“Queueing Theory – I”*

(Organizer: **U. Narayan Bhat**)

(Chair: **U. Narayan Bhat**)

- (a) **Kanwar Sen** (Univ. of Delhi, India)
- (b) **Gopalan Nair** (Univ. of Western Australia, Australia)  
*Anaysis of M/G/1 type queues — A combinatorial perspective*
- (c) **U.C. Gupta** (IIT-Kharagpur, India)  
*Complete analysis of bulk service queue with finite buffer:  $M/G^{(a,b)}/1/N$*
- (d) **T.G. Deepak** (IISST, Thiruvananthapuram, India)  
*Role of matrix analytic methods in stochastic modelling*

**G-3**

*“Bayesian Nonparametrics”*

(Organizer: **Jayanta K. Ghosh**)

(Chair: **Jayanta K. Ghosh**)

- (a) **Subhashis Ghosal** (North Carolina State Univ., North Carolina)
- (b) **Sabyasachi Mukhopadhyay** (ISI-Kolkata, India)
- (c) **T. Choi** (Inha Univ., Incheon, S. Korea)
- (d) Discussion by **J.K. Ghosh**

**G-4**

*“Topics in Survival Analysis”*

(Organizer: **Nandini Kannan**)

- (a) **Debasis Kundu** (IIT-Kanpur, India)
- (b) **Ram C. Tripathi** (Univ. of Texas, San Antonio, TX)
- (c) **Jyotirmoy Dey** (Novartis, USA)
- (d) **Nandini Kannan** (Univ. of Texas, San Antonio, TX)

**G-5**

*“Large Scale Surveys in Health*

(Organizers: **Arvind Pandey & R.J. Yadav**)

Session by *National Inst. of Medical Stat., New Delhi*

- (a) **Arvind Pandey** (Director, NIMS, ICMR, New Delhi)  
*Survey techniques in integrated behavioral and biological assessment*  
— *National highways surveys*
- (b) **K.K. Singh** (Dy DG(SG), ICMR, New Delhi)  
*Survey methodology in health research*
- (c) **R.J. Yadav** (Dy Director(SG), NIMS, New Delhi)  
*Impact for fortified food: Survey methodological investigation*
- (d) **Abha Agarwal** (Dy Director, NIMS, New Delhi)  
*Snowball sampling in estimation of maternal deaths*

**G-6**

*“Design of Experiments”*

(Organizer: **Sudhir Gupta**)

- (a) **Bikas Sinha** (ISI-Kolkata, India)
- (b) **Subir Ghosh** (Univ. of California, Riverside, CA)
- (c) **Dibyen Majumdar** (Univ. of Illinois, Chicago, IL)
- (d) **Vinod Gupta** (IASRI, New Delhi, India)

**H-1**

*“Sequential Designs in Clinical Trials”*

(Organizer: **Atanu Biswas**)

- (a) **Seng Huat Ong** (Univ. of Malaya, Malaysia)
- (b) **Asis Chattopadhyay** (Univ. of Calcutta, Kolkata, India)
- (c) **Rahul Bhattacharya** (West Bengal State Univ., India)
- (d) **Atanu Biswas** (ISI-Kolkata, India)

**H-2***“Queueing Theory – II”*(Organizer: **U. Narayan Bhat**)(Chair: **U. Narayan Bhat**)

- (a) **S. Chakravarthi** (Kettering Univ., Flint, Michigan)  
*A disaster queue with Markovian arrivals and impatient customers*
- (b) **A. Krishnamoorthy** (Cochin Univ. of Science & Technology, India)  
*Queues with service interruptions — A Survey and some new results*
- (c) **Manju Agarwal** (Univ. of Delhi, India)  
*Waiting time distributions of patterns involving Markov dependent trials: GERT approach*
- (d) **B. Krishna Kumar** (Anna Univ., Chennai, India)  
*On single server queueing system with controlled batch arrival and server under maintenance*

**H-3***“Reliability Theory”*(Organizer: **Ajit Chaturvedi**)

- (a) **Jayant Deshpande** (Univ. of Pune, India)  
*Analysis of load sharing systems (I)*
- (b) **U. Naik-Nimbalkar** (Univ. of Pune, India)  
*Analysis of load sharing systems (II)*
- (c) **Neeraj Misra** (IIT-Kanpur, India)  
*Redundancy allocation in systems*
- (d) **K. Muralidharan** (M.S. Univ. of Baroda, India)  
*Statistical inferences on maintained system models*

**H-4***“IISA Student Paper Presentation Competition”*

---

**I-1** “Complex Data Analysis and Modeling”  
(Organizer: **Subir Ghosh**)

- (a) **Toshio Sakata** (Kyushu University, Japan)
- (b) **Philipp Marnitz** (Univ. of Gottingen, Germany)
- (c) **Balram Rajput** (Univ. of Tennessee, Knoxville, TN)  
*Uniform comparison of tail probabilities of (non-symmetric) random vectors and their symmetrized counterparts with applications*
- (d) **Ram Shanmugam** (Texas State Univ., San Marcos, TX)  
*What else does a statistical modeling of epileptic data can reveal?*

**I-2** “Recent Advances in Statistical Genetics”  
(Organizers: **V.K. Bhatia & A.K. Paul**)  
Session by *Indian Agricul. Stat. Res. Inst., New Delhi*

- (a) **Prem Narain** (New Delhi)
- (b) **B.M. Prassana** (IARI, New Delhi, India)
- (c) **J. Sreekumar** (CTCRI, Trivandrum, India)
- (d) **Archana Singh** (Natl. Inst. of AIST, Tsukuba, Japan)

**I-3** “Reliability Models and their Properties”  
(Organizer: **Asok Nanda**)

- (a) **David D. Hanagal** (Univ. of Pune, India)  
*Modeling heterogeneity for bivariate survival data by the compound Poisson distribution with random scale*
- (b) **Amarjit Kundu** (Santipur College, Nadia, India)  
*On improvement and deterioration of a repairable system under generalized stochastic orders*
- (c) **Sudhansu S. Maiti** (Visva-Bharati Univ., Santiniketan, India)  
*Reliability models and related inference problems in discrete set-up*
- (d) **S.K. Chaturvedi** (IIT-Kharagpur, India)  
*Network reliability: Techniques and challenges*

**I-4**

*“Image and Speech Processing”*

(Organizer: **Srinivas Yarramalle**)

- (a) **Sumit Gupta** (MVGR, JNT University (K), India)  
*AdaBoost based object detection*
- (b) **B. Chandra Sekhar** (IIT-Madras, India)
- (c) **V. Vijay Kumar** (JNTU-H, India)  
*Texture based image segmentation*
- (d) **G.V.S. Raj Kumar** (GITAM University, India)  
*Color image segmentation using truncated multivariate Gaussian mixture model*

**I-5**

*“Applied Statistics”*

(Organizer: **K. Venkata Subbaih**)

- (a) **K.V. Raghavulu** (NABARD, India)
  - (b) **H.J. Vaman** (Bangalore University, India)
  - (c) **Sivaswamy** (Annamalai University, India)
  - (d) **P. Tirupati Rao** (S.V. University, India)
-

(Chair: **K.V.S.Sarma**, S.V.University, India)

- (a) **Ananda Sen** (University of Michigan, USA),  
**Mousumi Banerjee** (University of Michigan, USA)  
*Competing risks with missing cause of death: Application to a cohort study of breast cancer*
- (b) **Alka Sabharwal** (University of Delhi, India),  
**Gurprit Grover** (University of Delhi, India),  
**A.K.Gadpayle** (Dr. Ram Manohar Lohia Hospital, Delhi, India)  
*Identifying patients with diabetic nephropathy based on serum creatinine under zero truncated model*
- (c) **Brijesh Sathian** (Manipal College of Med. Sci., Nepal),  
**Jayadevan Sreedharan** (Gulf Medical University, Ajman, UAE),  
**Krishna Sharan** (Kasturba Medical College, Manipal),  
**Sandeep Goel** (Manipal College of Med. Sci., Nepal)  
*Statistical modeling and forecasting of cervix cancer cases in radiation oncology treatment: A hospital based study*
- (d) **G. Suresh** (Manonmaniam Sundaranar Univ., India),  
**K. SenthamaraiKannan** (Manonmaniam Sund. Univ., India)  
*A stochastic modelling approach to clinical trails*
- (e) **Gaurav Sharma** (Univ. of Maryland at Baltimore County, USA)  
*Higher order likelihood based inference for consensus mean in inter-laboratory studies*

(Chair: **R.R.L. Kantam**, A.N. Univ., India)

- (a) **Asha Gopala Krishnan** (Cochin Univ. of Sci. & Tech., India),  
**Jagathnath Krishna** (Cochin Univ. of Sci. & Tech., India)  
*Income related measures for bivariate truncated random variables*
- (b) **A.H. Khan** (Aligarh Muslim Univ., India),  
**Mohamad Faizan** (Aligarh Muslim Univ., India),  
**Ziaul Haque** (Aligarh Muslim Univ., India)  
*Characterization of continuous distributions through record statistics*
- (c) **Arabin Kumar Dey** (IIT-Kanpur, India),  
**Debasis Kundu** (IIT-Kanpur, India),  
*Discriminating between bivariate Weibull and bivariate generalized exponential distribution*
- (d) **N. Unnikrishnan Nair** (Cochin Univ. of Sci. & Tech., India),  
**M. Preeth** (TKMM College, India)  
*Multivariate equilibrium distributions of order  $n$*
- (e) **G. Asha** (Cochin Univ. of Sci. & Tech., India),  
**Rejeesh C. John** (Cochin Univ. of Sci. & Tech., India)  
*Generalizations of reversed lack of memory property*

- (a) **Amitava Mukherjee** (Umea University, Sweden)  
*Model based classification of varved lake sediment profiles: Problems and challenges*
- (b) **D. Senthilkumar** (Meenakshi College of Eng., India),  
**R. Ambrose Prabhu** (Meenakshi College of Eng., India)  
*Decision support systems for detecting duplicates records in election commission voter ID database*
- (c) **J.P.Singh** (IIT-Roorkee, India),  
**Devendra Singh** (IIT-Roorkee, India)  
*Quantum information in quantum field theoretic frame work*
- (d) **K. Koteswara Rao** (GMRIT, India),  
**G. Vijay Kumar** (TPIST, India),  
**T.V. Madhusudana Rao** (TPIST, India)  
*Optimal proteins structure classification and identification using software tool*
- (e) **D. Haritha** (Univ. College of Eng., India),  
**Ch. Satyanarayana** (Univ. College of Eng., India)  
*Performance evaluation of face recognition using DCT approach*

- (a) **V. Charles** (CENTROM Catolica, Latin America),  
**S. Srinivas** (Dravidian University, India)  
*A weighted quadratic programming approach to conjoint analysis:  
Zero utility elimination*
- (b) **Vaibhav** (IIT-Khargpur, India),  
**Koilakuntla Maddulety** (NIIE, India)  
*A research study on application of queueing model for optimization  
of resource allocation at ticketing counters of Indian Railways*
- (c) **V. Rajagopalan** (Annamalai Univ., India),  
**N. Paranjothi** (Annamalai Univ., India)  
*On an M/G/1 retail queueing system with two types of services to  
repeated type customers*
- (d) **G.V. Pratap Singh** (GITAM Univ., India),  
**K. Venkata Subbaiah** (Andhra Univ., India),  
**K. Narayana Rao** (Govt. Polytech. College, India)  
*Supply chain modeling in fuzzy environment*
- (e) **P.C. Jha** (Univ. of Delhi, India),  
**Kuldeep Chaudhary** (Univ. of Delhi, India),  
**Yogender Singh** (Univ. of Delhi, India),  
**K.K. Aggarwal** (Univ. of Delhi, India)  
*Optimal production and inventory policy of multi-products in seg-  
mented marked*

(Chair: **G. Gopal**, Univ. of Madras, India)

- (a) **G. Venkateshwara Rao** (GITAM Univ., India),  
**K. Hari Krishna** (GITAM Univ., India),  
**G.V. Swamy** (GITAM Univ., India)  
*A new technique for evaluating minimal cuts of a graph*
- (b) **H. Ravi Sankar** (Central Tobacco Res. Inst., India),  
**K. Sarala** (Central Tobacco Res. Inst., India),  
**V. Krishnamurthy** (Central Tobacco Res. Inst., India)  
*Knowledge base system for rain fed natu tobacco germplasm*
- (c) **V. Mahesh Babu** (Narasaraopeta Eng. Coll., India),  
**Siva Nageswara Rao** (Narasaraopeta Eng. Coll., India),  
*Distributed protocol for interactive applications*
- (d) **T. Rambabu** (Rao and Naidu Eng. Coll., India),  
**P. Rajesh Kumar** (Andhra Univ., India)  
*Blind equalization using fractionally spaced CMA algorithm for MIMO FIR channel in wireless communication systems*
- (e) **T. Madhavi** (GITAM Univ., India),  
**S. Vamsi Krishna** (GITAM Univ., India),  
**G. Sasi Bhushana Rao** (Andhra Univ., India)  
*Performance analysis of connection-oriented and connection-less service protocols using DSR algorithm*

(Chair: **V.H. Bajaj**, Dr. B.A.M Univ., India)

- (a) **Pavan Kumar** (EVM Coll. of Eng. & Tech., India)  
*Software reliability growth model with testing-effort function*
- (b) **M. Saral** (Manonmaniam Sundaranar Univ., India),  
**A. Loganathan** (Manonmaniam Sundaranar Univ., India),  
**P. Muttu Krishnan** (Manonmaniam Sundaranar Univ., India),  
*Determination of single sampling plans for heterogeneous lots*
- (c) **K. Shalini** (Manonmaniam Sundaranar Univ., India),  
**A. Loganathan** (Manonmaniam Sundaranar Univ., India)  
*Determination of single sampling plans by attributes under the conditions of zero inflated Poisson distribution*
- (d) **A. Loganathan** (Manonmaniam Sundaranar Univ., India),  
**S. Kalaiselvi** (Manonmaniam Sundaranar Univ., India),  
**R. Vijayaraghavan** (Bharathiar Univ., India)  
*Bayesian reliability sampling plans under the conditions of Rayleigh-inverse-Rayleigh distribution*
- (e) **Ashok Kumar** (Banaras Hindu Univ., India),  
**Sanjeev Kumar** (Banaras Hindu Univ., India)  
*Maximum likelihood Bayesian analysis of incomplete series system data*

(Chair: **K.R.M. Nair**, Cochin Univ. of Sci. & Tech.,  
India)

- (a) **B.Re. Victorbabu** (Acharya Nagarjuna Univ., India)  
*Modified second order rotatable designs using a pair of symmetrical unequal block arrangements with two unequal block sizes*
  - (b) **Jyoti Sharma** (Banasthali Univ., India),  
**Jagdish Prasad** (Univ. of Rajasthan, India),  
**Sarla Pareek** (Banasthali Univ., India)  
*On construction of fractional factorial plan*
  - (c) **Kunja Deka** (Handique Girls College, India),  
**Bipin Gogoi** (Dibrugarh Univ., India)  
*Role of few statistics for testing main effects in a three-way factorial experiment*
  - (d) **Bipin Gogoi** (Dibrugarh Univ., India),  
**Kunga Deka** (Handique Girls College, India)  
*Robustness and power of few tests for testing main effects in a 3-way factorial experiment*
  - (e) **Nairanjana Dasgupta** (Washington State Univ., USA),  
**Mike Jacroux** (Washington State Univ., USA),  
**Rita Saharay** (ISI-Kolkatta, India)  
*Partially replicated fractional factorial designs*
-

(Chair: **Y. Krishna Reddy**, RGKC, IIT, India)

- (a) **Pardeep Gupta** (Sant Longowal Inst. of Eng. & Tech., India),  
**Atul Goyal** (Lala Lajapathi Rai Inst. of Eng. & Tech., India)  
*Modeling and availability analysis of a repairable production system based on Markov model*
- (b) **Ch.V.M.K. Hari** (GITAM Univ., India),  
**G. Srinivas** (GITAM Univ., India),  
**K. Naveen Kumar** (GITAM Univ., India),  
**Ch. Pavan Satish** (GITAM Univ., India)  
*Reducing coupling and increasing cohesion with aspect oriented programming to improve software reuse*
- (c) **P.C. Jha** (Univ. of Delhi, India),  
**Kuldeep Chaudhary** (Univ. of Delhi, India),  
**P.K. Kapur** (Univ. of Delhi, India)  
*Optimal testing effort allocation for modular software system*
- (d) **B. Ramanna** (Rayalaseema Univ., India),  
**S. M. Verma** (Rayalaseema Univ., India),  
**Y. Raghunatha Reddy** (Rayalaseema Univ., India),  
**G. Y. Sagar** (Malla Reddy Eng. College, India)  
*Availability and frequency measures for a three-unit with chance CCS failures*
- (e) **S.K. Singh** (Pt. Ravishankar Shukla Univ., India),  
**Kanti Sahu** (Pt. Ravishankar Shukla Univ., India)  
*A study on a two unit parallel system subject to inspection and replacement*

(Chair: **M.C. Babu**, Andhra Univ., India)

- (a) **Gurprit** (Delhi Univ., India),  
**Neeta** (Delhi Univ., India)  
*On the estimation of survival times of cardiac patients in Delhi on the basis of number of non-fatal myocardial infarctions*
- (b) **Krishna K. Saha** (Central Connecticut State Univ., USA)  
*Analysis of proportions for clustered binary data in the preference of unequal dispersions*
- (c) **M. Nagavara Prasad** (Emergency Mgmt. & Res. Inst., India),  
**Biranchi N. Jena** (Emergency Mgmt. & Res. Inst., India)  
*Study on incidence of fever and utilization of emergency medical services in Andhra Pradesh*
- (d) **Neeraj Tiwari** (Kumaun University),  
**K. Ram Mohan Rao** (Indian Inst. of Remote Sensing, India),  
**V.S. Tolia** (District Tuberculosis Officer, India)  
*Investigation of tuberculosis clusters in Dehradun city using Geographical information system and spatial scan statistic*
- (e) **Siuli Mukhopadhyay** (IIT-Bombay, India),  
**Varghese George** (Medical College Of Georgia, USA),  
**Hongyan Xu** (Medical College Of Georgia, USA)  
*Variable selection method for quantitative trait analysis based on parallel genetic algorithm*

- (a) **Anoop Chaturvedi** (Univ. of Allahabad, India),  
**Chandra Gulati** (Wollongong Univ., Australia)  
*Control charts for observations on 2-D grid with general autocorrelations structure*
- (b) **S. Datta Deka** (Dibrugarh Univ., India),  
**B. Gogoi** (Dibrugarh Univ., India)  
*Study on some control chart models: A nonparametric approach*
- (c) **B. Sri Ram** (SRP Institute of Tech., India),  
**V. Srinivas** (SRP Institute of Tech., India)  
*Extreme value control charts in some life testing models*
- (d) **R. Subba Rao** (Shri Vishnu Engg. College for Women, India),  
**R.R.L. Kantam** (Acharya Nagarjuna Univ., India)  
*SPRT - Software quality assessment*
- (e) **Ch. Mohan Prasad** (Vivekananda Deg. & P.G. College, India),  
**Ch. Srinivas** (Vivekananda Deg. & P.G. College, India),  
**R. Kiran Kumar** (Vivekananda Deg. & P.G. College, India)  
*Recent developments in statistical quality control - A study*

- (a) **P.C. Jha** (Univ. of Delhi, India),  
**Kanika Gandhi** (Univ. of Delhi, India),  
**Sandhya Makkar** (Intl. School of Business and Media, India),  
**K.K. Aggarwal** (Univ. of Delhi, India)  
*Multi-item procurement-distribution supply chain model incorporating price freight discount*
- (b) **P.C. Jha** (Univ. of Delhi, India),  
**Indumati** (Univ. of Delhi, India),  
**Indu Tyagi** (Univ. of Delhi, India),  
**P.K. Kapur** (Univ. of Delhi, India)  
*Interactive approach to release time problem of a software under fuzzy environment*
- (c) **A. Thangam** (Gandhigram Rural Univ., India),  
**R. Uthayakumar** (Gandhigram Rural Univ., India)  
*Two-echelon trade credit policy in a supply chain with perishable items under two different payment methods*
- (d) **P.G. Khot** (Nagpur Univ., India),  
**P.A. Thakre** (JSCOE, India)  
*Solving fuzzy linear programming problem as multi-objective linear programming problem*
- (e) **Prabha Rohatgi** (Pt. Ravi Shankar Shukla Univ., India),  
**Nidhi Shrivastava** (Rungta College of Eng. & Tech., India)  
*Queueing analysis of ATM services in India*

- (a) **K.L. Kagade** (Dr. B.A.M. Univ., India),  
**V.H. Bajaj** (Dr. B.A.M. Univ., India)  
*Fuzzy approach for solving multi-objective assignment problem*
- (b) **V. Bapuji** (Kakatiya Univ., India),  
**S.S.V.N. Sarma** (Kakatiya Univ., India)  
*Pervasive computing technology paradigms in mobile ad hoc networks*
- (c) **V. Sireesha** (GITAM Univ., India),  
**N. Ravi Shankar** (GITAM Univ., India)  
*A new approach to find possible critical paths in a fuzzy project network*
- (d) **V. Siva Bhaskara Rao** (Andhra Univ., India),  
**G. Sasi Bhushana Rao** (Andhra Univ., India)  
*Modeling of mobile cellular base station and mobile devise optimum radiating powers to reduce the microwave frequencies radiation hazards on human beings*
- (e) **Nageswara Rao Kuda** (Andhra Univ., India)  
*Multi protocol label switching (MPLS) – A new concept of router switching*

**K-6**

“Applied Probability, Probability & Limit Theorems”

(Chair: **Ramji Tiwari**, Univ. of Jammu, India)

- (a) **M.B. Rao** (Univ. of Cincinnati, USA)  
*Hemachandra numbers, Fibonacci numbers, patterns in coin tossing and Indian music*
- (b) **P. Deepthi** (Pydah College of Eng. & Tech., India)  
*Decoy's operational jamming effect*
- (c) **Dhritikesh Chakrabarti** (Handique Girls College, India)  
*Probability: Determination of its value*
- (d) **S. Bagh** (Sambalpur Univ., India),  
**M.K. Pal** (ICFAI National College, India)  
*The expected number of maxima of a random algebraic polynomial*
- (e) **S.C. Parmar** (Water Resources Eng. & Manag. Inst., India),  
**D.T. Shete** (Maharaja Shivajirao Univ. of Baroda, India)  
*Probability distribution analysis of maximum consecutive days rainfall data for Ahmedabad District of Gujarat, India*

(Chair: **Rakesh Srivastava**, MS Univ., India)

- (a) **Ashutosh Shukla** (Banaras Hindu Univ., India),  
**B.P. Singh** (Banaras Hindu Univ., India)  
*Bayes estimation of scale parameter of classical Pareto distribution under LINEX loss function using MCMC technique*
- (b) **Bhaswati Mukherjee** (Bristol Myers Squibb, India)  
*A new tool for predictive model choice based on absolute error loss function*
- (c) **Srinivasan Balaji** (George Washington Univ., USA),  
**Hosam Mahmoud** (George Washington Univ., USA)  
*Phases in the mixing of gases via the Ehrenfest urn model*
- (d) **Satyaki Mazumder** (Univ. of Texas at Dallas, USA),  
**Robert Serfling** (Univ. of Texas at Dallas, USA)  
*Exponential inequality and Bahadur representations for the MAD and applications*
- (e) **Taeryon Choi** (Korea University, S. Korea),  
**Jaeyong Lee** (Seoul National Univ., S. Korea),  
**Anindya Roy** (Univ. of Maryland, USA)  
*A note on the Bayes factor in a semi-parameter regression model*

(Chair: **D. Bhattacharya**, Viswa Bharathi U., India)

- (a) **Amrender Kumar** (Indian Agr. Stat. Res. Inst., India),  
**Ratna Raj Laxmi** (Maharshi Dayananda Univ., India)  
*Weather based forecasting models for crop yield using artificial neural networks approach*
- (b) **G. Hareesh** (Inst. for Systems Studies & Analyses, India),  
**N. Balakrishna** (Cochin Univ. of Sci. & Tech., India)  
*Stable auto-regressive model and time series analysis*
- (c) **Rajkumari Sanatombi Devi** (SMIMS and CRH, India),  
**Girish Chandra** (Coll. of Agr. Eng. & Post Harvest Tech., India)  
*Trends and forecasting the estimation of different contraceptive needs in the districts of Sikkim*
- (d) **S. Eakambaram** (Annamalai Univ., India),  
**R. Elangovan** (Annamalai Univ., India)  
*On the least absolute error estimation of linear regression models with auto-correlated errors*
- (e) **Sujatha Verma** (ISB and M, India)  
*Revolution in the Indian car industry: A time series analysis for Maruthi Suzuki*
-

(Chair: **P. Venkatesan**, ICMR, India)

- (a) **V.B.S. Srilatha Indira Dutt** (Andhra Univ., India),  
**G. Sasi Bhushana Rao** (Andhra Univ., India),  
**K.V.N.M. Prasad** (APGENCO, India),  
**A.V.N.S. Mrudula** (Andhra Univ., India)  
*Ionospheric tomography using medical imaging technique for precise GPS navigation solution*
- (b) **Vijay Kumar Mago** (DAV College, India),  
**M. Syamala Devi** (Punjab Univ., India),  
**Ajay Bhatia** (CTIMT, India)  
**Ravinder Mehta** (Mehta Child Care Centre, India)  
*Selecting a medical specialist agent: Fusion of Bayesian network and contract net protocol*
- (c) **S. Rajesh** (V.R. Siddhartha Eng. College, India),  
**S. Pratima** (DJR Inst. of Eng. & Tech., India),  
**L.S.S. Reddy** (LBR College of Eng., India)  
*DNA pattern matching using KMP algorithm*
- (d) **Anil Dada Warbhe** (GHRCE, India),  
**Rajiv V. Dharaskar** (GHRCE, India),  
**Bharati Kalambhe** (GHRCE, India)  
*Denoising of phonocardiographic records using independent component analysis*
- (e) **Devarapalli Dharmiah** (Vignan’s Inst. of Inf. Tech., India),  
**R. Rajender** (Vignan’s Inst. of Inf. Tech., India)  
*Analyzing the protein protein interaction using Bayesian network in bioinformatics*
- (f) **A.S. Talawar** (Karnataka Univ., India),  
**K.S. Wali** (Gulbarga Univ., India)  
*Modeling of HIV/AIDS epidemic in homosexual population*
- (g) **R.M. Sarvade** (Karnataka Univ., India),  
**A.S. Talawar** (Karnataka Univ., India)  
*A study of waiting time distribution for the preferred sex*

- (h) **Manoj Kumar** (Punjab Univ., India),  
**Rashpal Singh** (Univ. of Jammu, India)  
*A comparative study of Stein-mixed type estimator under balanced loss function*
- (i) **Nazneen Shariff** (Edinburgh Univ., UK)  
*Statistical methods to analyze ordinal categorical data arising from the clinical trail of drugs from the pharmaceutical industry*
- (j) **B. Prasad** (Vignan's Inst. of Inf. Tech., India),  
**P. Praveen Kumar** (Vignan's Inst. of Inf. Tech., India)  
*A novel facial detection algorithm based on DCT and LDA*

- (a) **M.K. Patil** (P.V.P. Mahavidyalaya, India),  
**D.T. Shirke** (Shivaji Univ., India)  
*Some new zero-inflated models*
- (b) **Girish Chandra** (Coll. of Agr. Eng. & Post Harvest Tech., India)  
*Near optimal allocation model for skewed distributions in ranked set sampling*
- (c) **Kiruthika** (Pondicherry Univ., India),  
**Subhradev Sen** (Pondicherry Univ., India)  
*On characterization of some families of derived power series distributions*
- (d) **V. Rohini Kumari** (Andhra Univ., India)  
*On two-component mixture of three-parameter generalized Gaussian-type distribution*
- (e) **Rajendran** (Cornell Univ., USA),  
**Martin T. Wells** (Cornell Univ., USA)  
*Improved Lasso estimation*
- (f) **M.S. Bhalachandra** (K.T.H.M. College, India)  
*Distributional properties of order statistics corresponding to a random sample from subexponential distribution*
- (g) **N.K. Sajeev Kumar** (Govt. College, India)  
*Use of quasi-ranges in the estimation of a scale parameter of a symmetric distribution*
- (h) **Rousan Ara Begum** (Darrang College, India)  
*A discrete class of probability distributions with variety of applications*
- (i) **K. Sumathi** (Mangalore Univ., India),  
**K. Aruna Rao** (Mangalore Univ., India)  
*On epidemiological models using zero-inflated distributions: A case study of cross sectional data from a dental setup*
- (j) **S.P. Nabar** (Univ. of Mumbai, India),  
**S.C. Deshmukh** (K.C. College, India)  
*Estimation and testing of parameters for epsilon skew-normal and epsilon skew-Laplace distributions*

- (a) **K. Swapnadevi** (SVU College of Eng., India),  
**M.M. Naidu** (SVU College of Eng., India),  
**H. Ravisankar** (CTRI, India)  
*An efficient algorithm for mining maximal frequent item sets*
- (b) **T. Srikanth** (GITAM Univ., India)  
*Retrieval of resources from web using rough set theory*
- (c) **K. Phalguna Rao** (Shri Vishnu Eng. Coll. for Women, India)  
*Disk-aware mining and indexing of massive time series data sets*
- (d) **M. Suneetha** (Rajah RSRK Ranga Rao Coll., India),  
**M. Ramesh** (Rajah RSRK Ranga Rao Coll., India)  
*Managing very huge databases and data warehousing*
- (e) **P. Kamakshi** (Kakatiya Inst. of Tech. & Sci., India)  
*A review of privacy preserving data mining algorithms*
- (f) **R. Satya Rajendra Singh** (Narayana Eng. Coll., India)  
*Mining frequent patterns from very high-dimensional data: A row-wise comparison enumeration approach*
- (g) **Sandhya Joshi** (MGR Univ., India),  
**Deepa Shenoy** (Visvesvaraya Coll. of Eng., India),  
**K.R. Venugopal** (Visvesvaraya Coll. of Eng., India),  
**L.M. Patnaik** (Defense Inst. of Adv. Tech., India)  
*Assessing various stages of dementia using neuropsychological tests and machine learning methods*
- (h) **S. Selva Kumar** (Manonmaniam Sundarnar Univ., India),  
**K. Senthamaraiannan** (Manonmaniam Sundarnar Univ., India)  
*Similarity analysis in time series data*
- (i) **D.N. Kashid** (Shivaji Univ., India),  
**S.S. Desai** (GKG College, India)  
*Support vector machine for regression*
- (j) **Sujatha Mukharjee** (Kolkatta, India)  
*The ARIMA(0, 1, 2) (0, 1, 1) 32 model and confidence intervals (Part II)*

- (a) **P. Chandra Kala** (Arora Degree Coll., India),  
**G. Varalakshmi** (J.B.M.C.A. College, India),  
**P. Raja Sekhara Reddy** (S.V. Univ., India)  
*Duality for nonsmooth non-linear multiobjective fractional programming in terms of weak vector saddle point theorem under V-invexity*
- (b) **P. Mahalakshmi** (Bishop Heber Coll., India),  
**A. Srinivasan** (Bishop Heber Coll., India)  
*M/M/1 queuing model having two types of essential services along with optional service*
- (c) **Brijesh Ainapur** (BITS, India),  
**P.R. Vittal** (Univ. of Madras, India)  
*Goal programming – A key to supply chain success*
- (d) **T. Srinivas Rao** (ASE, India),  
**N.V. Naidu** (MSRIT, India),  
**K. Mallikarjuna Babu** (BMSE, India)  
*Design of web-based aggregation of materials in a supply chain network using genetic algorithm*
- (e) **K. Maddulety** (Natl. Inst. of Indust. Eng., India),  
**Raghav Vaghela** (Natl. Inst. of Indust. Eng., India)  
*Paper on framing relocation strategy for optimal use of manufacturing facilities*
- (f) **Raghav Vaghela** (Natl. Inst. of Indust. Eng., India),  
**K. Maddulety** (Natl. Inst. of Indust. Eng., India)  
*Designing and developing scientific inventory management model*
- (g) **S. Kanchana** (Manonmaniam Sundaranar Univ., India),  
**K. Senthamarai Kannan** (Manonmaniam Sundaranar U., India),  
**V. Ganesan** (Manonmaniam Sundaranar Univ., India)  
*Erlangian bulk service queue with controllable rates*
- (h) **Safar Fazli** (Imam Khomeini Intl. Univ., Iran),  
**Seyed Sina Madani** (Imam Khomeini Intl. Univ., Iran)  
*Using AHP priorities with goal programming in resource allocation in construction*

- (i) **Sunil V. Kawale** (Dr. B. Ambedkar Marathwada U., India),  
**V.H. Bajaj** (Dr. B. Ambedkar Marathwada U., India)  
*Inventory model for deteriorating items with declining demand, defective product recycle and holding cost varies with time*
- (j) **Swati Agrawal** (Devi Ahilya Univ., India),  
**Snigdha Banerjee** (Devi Ahilya Univ., India)  
*Two-warehouse inventory model for deteriorating items with ramp-type demand*
- (k) **Kaparthi** (Visakhapatnam Port Trust, India)  
*Optimum capacity of the berth after setting up mechanical unloading facilities in sea water port – A case study*

- (a) **M.Z. Anis** (ISI-Kolkata, India),  
**Somak Dutta** (ISI-Kolkata, India)  
*A survey of recent tests for exponentially against IFR alternatives*
- (b) **Ajit Goswamy** (Dhibrugarh Univ., India),  
**H.N. Dutta** (Dhibrugarh Univ., India)  
*Studies on process capability indices: An empirical study in a chemical industry in Assam*
- (c) **Gauri Shankar** (Pt. Ravishankar Shukla Univ., India)  
*Disease: A statistical quality control perspective*
- (d) **P.K. Chourasia** (Pt. Ravishankar Shukla Univ., India),  
**Gauri Shankar** (Pt. Ravishankar Shukla Univ., India)  
*Conditional corrective action plan for three attribute classes*
- (e) **G.P. Prasada Reddy** (G. Narayanamma Inst. of Tech. & Sci., India)  
*Role of statistical thinking in six sigma*
- (f) **Gurprit Grover** (Univ. of Delhi, India),  
**A.K. Gadpayle** (Dr. Ram Manohar Lohia Hosp., India),  
**Manoj** (Univ. of Delhi, India)  
*Estimation of probability of death of AIDS patients in the presence of competing risks in National Capital Territory, Delhi, India*
- (g) **K. Rosaiah** (Acharya Nagarjuna Univ., India),  
**R.R.L. Kantam** (Acharya Nagarjuna Univ., India),  
**B. Srinivasa Rao** (R.V.R & J.C. Coll. of Eng., India),  
**J. Pratap Reddy** (St. Ann’s PG College, India)  
*Extreme value charts and analysis of means (ANOM) based on log-logistic distribution*
- (h) **K.K. Suresh** (Bharathiar Univ., India),  
**N.V. Saravanakumar** (Bharathiar Univ., India)  
*Construction and selection of chain sampling plans through six sigma quality methods*
- (i) **K.K. Suresh** (Bharathiar Univ., India),  
**V. Sangeetha** (Bharathiar Univ., India)  
*Designing of suspension system based on quality interval with single sampling plan*

- (j) **K.M. Sakthivel** (Bharathiar Univ., India),  
**R. Vijayaraghavan** (Bharathiar Univ., India)  
*A study on the performance measures and the selection of double sampling inspection plans with smaller acceptance numbers*
- (k) **P.C. Jha** (Univ. of Delhi, India),  
**Ritu Arora** (Univ. of Delhi, India),  
**P.K. Kapur** (Univ. of Delhi, India)  
*Optimal testingtime allocation of modular software system for flexible SRGM incorporating imperfect debugging*

- (a) **I.L. Narasimha Rao** (Aurora Degree & PG Coll., India),  
**N. Ch. Bhatra Charyulu** (Osmania Univ., India)  
*Methods for the construction of visual cryptographic secret sharing schemes*
- (b) **B. Umapasada Rao** (Andhra Univ., India),  
**P. Vasudeva Reddy** (Andhra Univ., India)  
*An ID-based blind signature scheme from bilinear pairings*
- (c) **K.V.S.S.R.S.S. Sarma** (Univ. of Hyderabad, India),  
**P.S. Avadhani** (Andhra Univ., India)  
*Pell’s equation based cryptosystem for providing confidentiality and authentication*
- (d) **M. Kishore Kumar** (AIET, India),  
**S. Raghunanda Reddy** (St. Mary’s CIT, India)  
*Roll based access control and Extensible Markup Language (XML) security in adhoc networks*
- (e) **S. Gopi Krishna** (Acharya Nagarjuna Univ., India),  
**S. Siva Nageswara Rao** (Narasaraopeta Eng. Coll., India)  
*Security issues in open source web systems*
- (f) **K. Lakshminadh** (Narasaraopeta Eng. Coll. India),  
**S. Gopi Krishna** (Acharya Nagarjuna Univ., India)  
*System security using higher order differential power analysis*
- (g) **Somu Venkateswarlu** (PSCMR Coll. of Eng. & Tech., India),  
**K. Jaganmohan** (PSCMR Coll. of Eng. & Tech., India),  
**A. Srinivasa Rao** (Nalanda Inst. of Eng. & Tech., India),  
**G. Rajesh Chandra** (PSCMR Coll. of Eng. & Tech., India)  
*Visual cryptography techniques for color images*
- (h) **B. Sridhar** (Sree Chaitanya PG Coll., India),  
**Khaja Ziauddin** (Sree Chaitanya PG Coll., India),  
**T. Pallavi** (Sree Chaitanya PG Coll., India)  
*A focus on security issues for the data in cloud computing*

- (i) **D. Shravani** (Rayalaseema Univ., India),  
**P. Radhika** (Rayalaseema Univ., India),  
**P. Suresh Varma** (Adikavi Nannaya Univ., India)  
*Designing dependable service oriented web services security architectures solutions*
- (j) **Rajkumar Goswami** (Andhra Univ., India),  
**G. Sasi Bhushana Rao** (Andhra Univ., India),  
**Vinod Naik Bhukya** (Andhra Univ., India),  
**M.N.V.S.S. Kumar** (Andhra Univ., India)  
*Analysis of impact of change of states on implementation of rate 1/3, 8PSK TCM scheme in digital communication over AWGN channel*

(Chair: **V. Hara Gopal**, Osmania Univ., India)

- (a) **Y.S. Rama Krishnaiah** (Aurora Deg. & PG College, India),  
**K. Satyanarayana** (Aurora Deg. & PG College, India)  
*Bootstrapping estimators of mixing proportions*
- (b) **K. Satish** (Aurora Deg. & PG College, India),  
**Y.S. Rama Krishnaiah** (Aurora Deg. & PG College, India)  
*On the estimation of mixing proportions based on non-i.i.d. sequences*
- (c) **R.R. Savapandit** (D.R. College, India),  
**B. Gogoi** (Dibrugarh Univ., India)  
*Bootstrapping in some statistical hypothesis testing problems*
- (d) **Min S. Park** (Seoul National Univ., S. Korea)  
*Testing in nonparametric varying coefficient additive models*
- (e) **Chanchala Ghadge** (Univ. of Pune, India),  
**T.V. Ramanathan** (Univ. of Pune, India)  
*Rank test for testing randomness of the technology parameter in a stochastic frontier regression model*
- (f) **B. Gogoi** (Dibrugarh Univ., India)  
*A study on some K-sample tests under umbrella alternatives*
- (g) **E. Abdul Saleem** (Bharathiar Univ., India),  
**Maya T. Nair** (Bharathiar Univ., India)  
*Parametric and non-parametric estimation in failure time mixture models*
- (h) **Sucharita Ghosh** (Swiss Fed. Res. Inst., Switzerland)  
*Nonparametric estimation of distribution functions for Gaussian subordination models and applications*
- (i) **V.B. Joshi** (Karnatak Univ., India),  
**I.D. Shetty** (Karnatak Univ., India)  
*A class of distribution-free tests for C-sample scale problem based on the generalized Rosenbaum's test*
- (j) **D.T. Shirke** (Shivaji Univ., India),  
**V.Y. Pawar** (Vivekanand College, India)  
*Nonparametric moving average control charts*

**M-1**

“SQC & Reliability”

(Chair: **Mohammad Aktar**, S.K. Univ., India)

- (a) **H.N. Dutta** (Dibrugarh Univ., India),  
**Gohain Deepjan** (North Lakshmipur Coll., India)  
*Exponentially weighted moving average (EWMA) control charts modeling: Bibliography and review*
- (b) **Marianne Frisen** (Univ. of Gothenburg, Sweden)  
*Multivariate surveillance*
- (c) **Neelufur** (GITAM Univ., India),  
**K. Venkata Subbiah** (Andhra Univ., India)  
*A comparative study of designing the control charts with random out-of-control times*
- (d) **N. Unni Krishnan Nair** (Cochin Univ., India),  
**B. Vinesh Kumar** (Cochin Univ., India)  
*L-moments of residual life*
- (e) **A. Anand** (G.V.P. Degree College, India)  
*Control chart with truncated Weibull in-control times*

**M-2**

*“Distribution Theory”*

(Chair: **M.K. Reddy**, Osmania Univ., India)

- (a) **U.V. Subba Rao** (Dadi Inst. of Eng. & Tech., India)  
*On additive uniform-exponential distribution*
- (b) **G.A. Kalyani** (M.R. College, India)  
*A compound bimodal exponential distribution*
- (c) **V.V. Hara Gopal** (Osmania Univ., India),  
**Joshna Goud** (Osmania Univ., India),  
**S.N. Narahari Pandit** (Osmania Univ., India)  
*Local information based parameter estimation*
- (d) **K. Umakrishna** (GITAM Univ., India)  
*Joint distribution of age at investment and period of investment*
- (e) **B. Muniswamy** (Andhra Univ., India)  
*Compounded new symmetric-normal distribution*

**M-3**

*“Data Mining”*

(Chair: **P.C. Jha**, Univ. of Delhi, India)

- (a) **R.L.K. Venkateswarlu** (Sasi Inst. of Tech. & Eng., India)  
*Developing stochastic grammar using syntactic pattern recognition*
- (b) **A. Nagesh** (Mahatma Gandhi Inst. of Tech., India),  
**V.Kamakshi Prasad** (JNT Univ., India)  
*Automatic language identification using Mel frequency cepstrum coefficient and vector quantization*
- (c) **B.T. Maruthi** (Aurora Deg. & PG College, India),  
**S.N. Narahari Pandit** (Aurora Tech. & Res. Inst., India)  
*A comparison between performance of artificial neural networks and multiple regression approach*
- (d) **K. Vedavathi** (GITAM Univ., India)  
*Supervised data mining algorithm using bivariate AR(1) model*
- (e) **S. Achyuta** (Andhra Univ., India)  
*Unsupervised learning algorithm using new symmetric distribution*

**M-4**

“Stochastic Process”

(Chair: **P.R. Vittal**, Univ. of Madras, India)

- (a) **P. Konda Babu** (MR College, India),  
**G.A. Kalyani** (MR College, India)  
*Two graded manpower model with bulk recruitment*
- (b) **S. Parthasarathy** (Annamalai Univ., India),  
**M.K. Ravichandran** (Annamalai Univ., India),  
**M. Chitra** (Annamalai Univ., India)  
*Discrete case of SCBZ property applying in manpower planning model*
- (c) **S. Govinda Rao** (Raja RSRK Ranga Rao College, India)  
*On bivariate stochastic manpower planning model*
- (d) **A.V.S. Suhasini** (Sri Venkateswara Univ., India),  
**P. Tirupathi Rao** (Sri Venkateswara Univ., India),  
**P. Rajasekhar Reddy** (Sri Venkateswara Univ., India)  
*Optimal manpower recruitment policy through stochastic programming in graded manpower systems*
- (e) **V. Srinivasa Rao** (Acharya Ranga Agri. Univ., India)  
*Stochastic graded manpower systems*

**M-5**

*“Operations Research”*

(Chair: **S.K. Singh**, Pt.Ravi Shanker Shukla U., India)

- (a) **A. Lakshmana Rao** (Aditya Inst. of Tech. & Manag., India)  
*Load dependent tandem queuing model with two service stations having finite buffers*
- (b) **B. Venkataramudu** (S.S.B.N. Degree College, India),  
**Y. Krishna Reddy** (IIIT, India)  
*Optimal replacement policy for two-unit cold standby system using geometric process*
- (c) **Ch. Ganapathi Swamy** (Aditya Inst. of Tech. & Manag., India),  
**P. Srinivasa Rao** (Andhra Univ., India)  
*Queuing model with hyper Erlangian service times*
- (d) **G. Ramesh** (Andhra Univ., India)  
*Single server queuing models with truncated distributions*
- (e) **K. Surya Narayana Rao** (Al-Ameer Coll. of Eng. & IT, India),  
**N. Ravi Shankar** (GITAM Univ., India)  
*Estimating the mean and variance of activity duration in PERT*

(Chair: **S.M. Varma**, Rayalaseema Univ., India)

- (a) **P.S. Rama Chowdary** (Raghu Eng. College, India),  
**V.V.S.S.S. Chakravarthy** (Raghu Inst. of Tech., India),  
**Sk.A. Rahiman** (PVPSIT, India)  
*Performance analysis of mandatory modes of IEEE 802.11g PHY*
- (b) **M.V. Rama Sundari** (Aditya Eng. College, India),  
**P. Srinivasa Rao** (Andhra Univ., India)  
*Performance evaluation of a communication network with balking*
- (c) **G. Padmavathi** (Govt. Polytechnic, India),  
**K.V.V.S. Reddy** (Andhra Univ., India)  
*Performance evaluation of a communication network model with a splitter and dynamic bandwidth allocation*
- (d) **Ch.R. Phani Kumar** (GITAM Univ., India),  
**V. Malleswara Rao** (GITAM Univ., India),  
**D. Uday Kumar** (GITAM Univ., India)  
*Tempest protection of IT infrastructure*
- (e) **P. Suresh Varma** (Adikavi Nannaya Univ., India)  
*Performance evaluation of implementing strategies in mobile wireless network*

- (a) **S. Venkata Appaji** (ASTRA, India),  
**G.V.S. Acharyulu** (ASTRA, India),  
**P. Vijayababu Varma** (ASTRA, India)  
*Image encryption using three-level hill cipher algorithm*
- (b) **Tapas Kumar Sinha** (North Eastern Hill Univ., Shillong),  
**Vijay Prasad** (St. Anthony College, Shillong)  
*A novel technique for secure transmission of sensitive data over internet*
- (c) **K. Raghavarao** (SRREC, India),  
**Amjan Shaik** (ASTRA, India),  
**B. Bhaskara Rao** (GITAM Univ., India)  
*Object oriented analysis and design using patterns*
- (d) **G. Sasi Bhushana Rao** (Andhra Univ., India),  
**M.N.V.S.S. Kumar** (Andhra Univ., India),  
**S. Deva Prasad** (Andhra Univ., India),  
**Rajkumar Goswami** (Andhra Univ., India)  
*Extraction of 3-D information from 2-D underwater SONAR images*
- (e) **S. Swapna Rani** (GITAM Univ., India),  
**U. Anusha** (Visakha Eng. College, India),  
**G. Sasi Bhushana Rao** (Andhra Univ., India),  
**Rajkumar Goswami** (Andhra Univ., India)  
*Performance analysis of linear and non-linear, spatial filters for noise reduction in image processing*

(Chair: **Anoop Chaturvedi**, Univ. of Allahabad, India)

- (a) **Deepak Nag Ayyala** (Univ. of Maryland, USA),  
**Junyong Park** (Univ. of Maryland, USA),  
**Anindya Roy** (Univ. of Maryland, USA)  
*Estimation of the proportion of exponential signals*
- (b) **V. Sailaja** (Godavari Inst. of Eng. & Tech., India),  
**K.V.V.S. Reddy** (Andhra Univ., India)  
*Text independent speaker identification model with finite doubly truncated Gaussian mixture*
- (c) **C.S.S.R.C. Hanumantha Rao** (M.R. College, India)  
*Finite source interdependent multiple server queuing models with heterogeneous errors*
- (d) **Srinivas Alluri** (GITAM Univ., India),  
**K.V.V.S. Reddy** (Andhra Univ., India)  
*Digital signal controller application on direct broadcast TV signal at KU band frequencies*
- (e) **G. Sasi Bhushana Rao** (Andhra Univ., India),  
**Rajkumar Goswami** (Andhra Univ., India),  
**S. Swapna Rani** (Andhra Univ., India),  
**Mrudula** (Andhra Univ., India)  
*Feature extraction from the ocean acoustic noise using higher order spectrum analysis*
-

- (a) **Balamurugan** (Manonmaniam Sundaranar Univ., India),  
**Senthamarai Kannan**(Manonmaniam Sundaranar Univ., India)  
*Nonparametric tests on time series to evaluate image similarity*
- (b) **M. Ramesh** (Rajah RSRK Ranga Rao Coll., India),  
**M. Suneetha** (Rajah RSRK Ranga Rao Coll., India)  
*A hybrid method for segmentation of 2D tomography images*
- (c) **M. Kamala Kumari** (Adikavi Nannaya Univ., India),  
**J.V. Ratna Kumar** (Infohub Technologies, India)  
 it A frame work for redescrptions: CART wheels on cosmology data
- (d) **P. Chandrasekhar** (GITAM Univ., India),  
**G.V.S. Rajkumar** (GITAM Univ., India),  
**Ch. Hamaraju** (GITAM Univ., India),  
**K. Srikanth** (GITAM Univ., India)  
*Some recent developments in image segmentation algorithms based on distantly-viewed trees*
- (e) **G. Rajaiah** (Abdul Kalam Inst. of Tech. Sci., India),  
**J. Ashok** (Vishnu Sri Inst. of Tech. & Sci., India)  
*A neural network expert system – Oriya handwriting*
- (f) **M. Seetha** (GNITS, India),  
**G. Ravi** (CBIT, India)  
*A novel piano count decision tree for image classification*
- (g) **T. Sudheer Kumar** (ANITS, India),  
**M. Sujana** (ANITS, India),  
**E. Bharani Samrat** (Raghu Eng. College, India)  
*Power spectrum estimation of human speech using robust linear predictive analysis*
- (h) **V.V. Rambrahmam** (ANITS, India),  
**N.V. Goutham** (ANITS, India)  
*A novel approach to image compression and reconstruction*

- (i) **S. Swapna Rani** (JNTU, India),  
**G. Sasi Bhushana Rao** (Andhra Univ., India),  
**U. Anusha** (GITAM Univ., India),  
**M. Nagamani** (Lendi Inst. of Eng. & Tech., India)  
*A new image processing segmentation algorithm for navigation and guidance of an under water robot*
- (j) **Srinivas Yerramalle** (VIIT, India),  
**P. Srinivasa Rao** (Andhra Univ., India)  
*Generalizations of model based image segmentations*

(Chair: **Saurab Ghosh**, ISI-Kolkatta, India)

- (a) **Nimisha Chaturvedi** (Univ. of Allahabad, India)  
*Inference of gene regulatory networks of microarray data for cancer progression due to IGF-1 in breast epithelial cells using dynamic Bayesian networks*
- (b) **N. Srinivasa Rao** (Dir. of Medicinal & Aromatic Plants Res., India),  
**K.A. Geetha** (Dir. of Medicinal & Aromatic Plants Res., India),  
**Satyabrata Maiti** (Dir. of Medicinal & Aromatic Plants Res., India)  
*Bioinformatics web-tool on herbal gardens in India*
- (c) **K. Padmalatha** (Sree Venkateswara Univ., India),  
**P. Tirupathi Rao** (Sree Venkateswara Univ., India),  
**M. Venkateswaran** (Sree Venkateswara Univ., India)  
*Stochastic programming on optimal drug administration for cancer treatment*
- (d) **C.L. Usha** (Al Ameer Coll., India),  
**P. Tirupathi Rao** (Sree Venkateswara Univ., India),  
**M. Venkateswaran** (Sree Venkateswara Univ., India)  
*Stochastic programming on blood glucose and insulin regulatory system for Type-II diabetes mellitus*
- (e) **R. Bharathi** (Bhadruka Coll. of IT, India),  
**P. Tirupathi Rao** (Sree Venkateswara Univ., India),  
**A.V.S. Suhasani** (Sree Venkateswara Univ., India)  
*Evaluation of drug efficiency through stochastic modeling*
- (f) **R. Geetha** (S.D.N.B Vaishnav Coll. for Women, India)  
*A fractal model for microarray data*
- (g) **S. Sitha Ram Babu** (Sri Chaitanya Edu. Inst., India)  
*Microsatellites role in HNF4A gene causing Type-2 diabetes and MODY*
- (h) **S. Rajesh** (V.R. Siddhartha Eng. Coll., India),  
**S. Prathima** (QIS Coll. of Eng. & Tech., India),  
**L.S.S. Reddy** (LBR Coll. of Eng., India)  
*DNA pattern matching using KMP algorithm*

- (i) **Suresh Babu Mudunuri** (Aditya Eng. Coll., India),  
**Priyatosh Mishra** (Aditya Eng. Coll., India),  
**Allam Appa Rao** (JNT Univ., India),  
**S. Pallamsetty** (Andhra Univ., India)  
*Short tandem repeats extraction software: A comparative review*

- (a) **Reza Arabi** (Univ. of Tehran, Iran),  
**Ahmad Parsian** (Univ. of Tehran, Iran)  
*A survey on Burr-XII distribution and estimation of its parameters*
- (b) **R.N. Rattihalli** (Univ. of Botswana, Gaborone),  
**S.B. Patil** (Shivaji Univ., India)  
*Estimation and testing of symmetric distributions: By minimizing measures of asymmetry*
- (c) **P.S.V. SrinuBabu** (GIET, India)  
*On a bivariate bimodal distribution*
- (d) **G.V. Ramana Murthy** (VT College, India)  
*Truncated bimodal distribution and its properties*
- (e) **V.V.V.S. Prakash Rao** (LAMFORM, India)  
*Pollutant concentration modeling using hyper-exponential distribution*
- (f) **Chandramouli** (Univ. of Pune, India)  
*Random hazards*
- (g) **Goutam Saha** (MBB College, India),  
**Pranitha Sarmah** (Gauhati Univ., India)  
*Probabilistic analysis of school examination result with special reference to the state of Tripura*
- (h) **S. Irene Kavitha** (Dravidian Univ., India),  
**V. Charles** (Pont. Univ. Catolica del Peru, S. America),  
**Mukesh Kumar** (Pont. Univ. Catolica del Peru, S. America),  
**P. Rajasekhara Reddy** (Sree Venkateswara Univ., India)  
*Measuring efficiency through various stochastic DEA approaches: A comparative study*
- (i) **K. Anuradha** (Dr. L.B. College, India),  
**P. Rajasekhara Reddy** (Sree Venkateswara Univ., India),  
**J. Lakshmi Narayana** (Andhra Univ., India)  
*On a doubly-truncated three-parameter Laplace distribution*
- (j) **N. Ramya** (NIST, India)  
*On a bivariate new symmetric distribution*

- (a) **Madhavi Dabbiru** (Acharya Nagarjuna Univ., India),  
**Shashi Mogalla** (Andhra Univ., India)  
*Conceptual overlapping clustering algorithm*
- (b) **Tumulesh Solanky** (Univ. of New Orleans, USA)  
*Partitioning a set of exponential populations*
- (c) **Giri Prasad Madderla** (Kakatiya Univ., India),  
**B. Manjula** (Kakatiya Univ., India)  
*E-commerce and data mining: Ingredients & challenges*
- (d) **Anita Raju** (PACE Coll. of Eng., India),  
**Ramesh Babu Peddisetty** (C.R.Coll. of Eng., India)  
*Security enhancements to low computational cost user authentication scheme for mobile communication*
- (e) **Y.S. RamaKrishnaiah** (Arora Deg. & PG Coll., India),  
**Suraj Prakash Yadav** (Arora Deg. & PG Coll., India)  
*Data mining “extracting patterns from data samples”*
- (f) **S.S. Desai** (GKG College, India),  
**D.N. Kashid** (Shivaji Univ., India)  
*Support vector machine for regression*
- (g) **M. Seshashayee** (GITAM Univ., India),  
**Ch. Satyanarayana** (JNTU, India)  
*On model based data mining using truncated Gaussian distribution*
- (h) **Tilak Abeysinghe** (Natl. Univ. of Singapore, Singapore) ,  
**Gulasekaran Raja Guru** (BOND Univ., Australia)  
*A Gaussian test for cointegration based on variance difference*
- (i) **S.V.S. Girija** (Hindu College, India),  
**A.V. Dattatreya Rao** (Acharya Nagarjuna Univ., India),  
**I. Ramabhadra Sarma** (KL Coll. of Eng., India)  
*Raising sun cardioid model*
- (j) **N. Madhavi** (Andhra Univ., India)  
*Two-variable regression under Laplace errors*

- (a) **Kousar Jaha Begum** (Andhra Univ., India)  
*E.P.Q. model for deteriorating items with generalized Pareto decay having selling price and time dependent demand*
- (b) **K. Narayana Rao** (Govt. Polytechnic, India),  
**K. Venkata Subbaiah** (Andhra Univ., India),  
**K.G. Durga Prasad** (Al-Ameer Coll. of Eng., India)  
*Design of supply chain with dynamic periodic review inventory policy in fuzzy environment*
- (c) **K. Aruna Kumari** (GITAM Univ., India)  
*Two-sources heterogeneous queuing system with bulk arrivals*
- (d) **G. Sridevi** (VITAM College of Eng., India),  
**K. Nirupama Devi** (Andhra Univ., India)  
*Inventory model for deteriorating items with Weibull rate of replenishment and demand as a function of on hand inventory*
- (e) **S. Eswara Rao** (GITAM Univ., India)  
*Optimal ordering and pricing policies of an inventory model for deteriorating items with permissible delay in payments under inflation with Weibull rate of decay*
- (f) **S.V. Uma Maheswara Rao** (Andhra Univ., India),  
**K. Venkata Subbaiah** (Andhra Univ., India)  
*An EPQ model for deteriorating items having alternate rate of production and Weibull decay*
- (g) **V. Papayya Sastri** (VT College, India)  
*Heterogeneous queuing models with two-state input source*
- (h) **T.N. Nirmala Rani** (TJPS College, India)  
*The changing facet of statistical education through statistical software tools*
- (i) **N. Rajan Babu** (LIET, India),  
**G. Sasi Bhushana Rao** (Andhra Univ., India),  
**S. Deva Prasad** (Andhra Univ., India),  
**M.N.V.S.S. Kumar** (Andhra Univ., India)  
*Bit error rate analysis of IEEE 802.11G physical layer for mandatory and optional modes*

- (j) **V.V.S.S.V. Prasada Rao Patnaik** (M.R. College, India)  
*An EPQ model for deteriorating items under inflation with variable cycle length*

(Chair: **Gowri Shankar**, Pt. Ravishankar Shukla Univ., India)

- (a) **S.K. Singh** (Pt. Ravishankar Shukla Univ., India),  
**Kanti Sahu** (Pt. Ravishankar Shukla Univ., India),  
**Anail Kumar Tiwari** (Pt. Ravishankar Shukla Univ., India)  
*On the stochastic analysis of a master slave system having three types of non-identical units*
- (b) **S.M. Sunoj** (Cochin Univ. of Sci. & Tech., India),  
**M.N. Linu** (Cochin Univ. of Sci. & Tech., India)  
*Some characterizations using cumulative residual Renyi's entropy*
- (c) **T.C. Ravi Chandra Kumar** (Govt. Coll. for Men, India),  
**Y. Krishna Reddy** (A.P. IIIT, India)  
*A bivariate optimal repair replacement policy with a series process*
- (d) **V. Kesava Reddy** (Rayalaseema Univ., India),  
**Y. Raghunatha Reddy** (Rayalaseema Univ., India),  
**S.M. Verma** (Rayalaseema Univ., India),  
**G.Y. Sagar** (Malla Reddy Eng. Coll., India)  
*ML estimation of availability and frequency measure – A two unit non-identical system with common cause shock failures*
- (e) **V. Persis** (Adikavi Nannaya Univ., India),  
**A. Vinay Babu** (JNTU, India)  
*Safety case matrix: A hybrid safety case notation for a safety critical system*
- (f) **V.M. Chacko** (St. Thomas Coll., India),  
**P.C. Pravena** (St. Thomas Coll., India),  
**M. Manoharan** (Univ. of Calicut, India)  
*Identification of failure rate model of first passage time distribution of Markov semi-Markov system*
- (g) **Y. Santosh Kumar Reddy** (SVCET, India),  
**C. Nadamuni Reddy** (SVEPCT, India),  
**K. Naveen** (CDAAC, India),  
**K. Ramesh Reddy** (SVCET, India)  
*Stochastic reliability redundancy design of complex system-simulation*
- (h) **B. Srinivasa Rao** (VRS & YRN Coll., India)  
*Stochastic logistic equation and software reliability growth model*

- (i) **P.R. Vittal** (Univ. of Madras, India)  
*Stochastic models with optimal dividend barrier*
- (j) **Y. Gopinath** (HCL Techn., India)  
*Pricing and ordering policies of an inventory model with additive exponential life time distributions*

(Chair: **B. Victor Babu**, A.N. Univ., India)

- (a) **M. Radha** (Bharathiar Univ., India),  
**R. Muttu Krishnan** (Bharathiar Univ., India),  
**T. Kanneswari** (Bharathiar Univ., India)  
*Robust estimators and outlier detection procedures in multivariate data*
- (b) **Rajkumari Sanatombi Devi** (SM Inst. of Med. Sci., India)  
*A statistical study on causes of deaths in Sikkim: Evidence from MCCD report*
- (c) **Rajkumari Latasana Devi** (Ghana Priya Women’s Coll., India),  
**Rajkumari Sanatombi Devi** (SM Inst. of Med. Sci., India)  
*A comparative study on family problem of HIV-infected widows and HIV-infected spouses of IDUs in Imphal west districts of Manipur*
- (d) **R. Prabhakar Rao** (Sri Satya Sai Univ., India),  
**B.C. Sutradhar** (Memorial Univ. of Newfoundland, Canada)  
*On measurement error problem in generalized linear longitudinal models for count data*
- (e) **S. Gurunathan** (Centre for Agri. and Rural Devel. Stud., India)  
*Farmers awareness and perception towards crop insurance schemes as a tool of risk minimization – A censored regression model approach*
- (f) **Shivkumar M. Karreppa** (MPK Vidyapeeth, India)  
*Application of D<sup>2</sup>-statistics in cotton breeding programme*
- (g) **Atwar Rahman** (M.V.P. College, India)  
*A simpler method of computing least-square estimates*
- (h) **H. Allen Klaiber** (Penn State Univ., USA),  
**V. Kerri Smith** (Arijona State Univ., USA)  
*Evaluating Rubin’s casual model for measuring that capitalization of environmental amenities*
- (i) **B. Krishna Reddy** (Osmania Univ., India),  
**B. Madhavi Latha** (Vanitha Mahavidyalaya, India)  
*Customer satisfaction in hospitality industry – A study on star hotels*

- (j) **A.G. Matani** (Govt. Coll. of Eng., India),  
**A.A. Gulhane** (Govt. Polytechnic, India),  
**Vishwas N. Ahuja** (Devika Web Printers, India)  
*IT applications improving productivity in automobile industries and services*

- (a) **K.V. Sujatha** (Sathyabama Univ., India),  
**S. Meenakshi Sundaram** (Sathyabama Univ., India)  
*Forecasting of sensex data using traditional and modern computing techniques*
- (b) **S. Suresh** (Manonmaniam Sundarnar Univ., India),  
**K. Senthamarai Kannan** (Manonmaniam Sundarnar Univ., India)  
*Markov chain prediction on fuzzy time series*
- (c) **B. Sreenivasa Rao** (AITAM, India),  
**B. Sivakumar** (AITAM, India),  
**A. Laxmana Rao** (AITAM, India)  
*Dot plots for time series analysis*
- (d) **K.W. Sandhya Nilmini Kumari** (UVA Wellassa Univ., Srilanka)  
*Seasonal integrated time series model to forecast monthly rainfall and air temperature*
- (e) **M. Nirmala** (Sathyabhama Univ., India),  
**S.M. Sundaram** (Sathyabhama Univ., India)  
*An artificial neural network model for forecasting of annual rain fall in Tamilnadu*
- (f) **C.V.R.S. Vijaya Kumar** (Ind. Inst. of Forest Manag., India),  
**Ashutosh Verma** (Ind. Inst. of Forest Manag., India)  
*Long memory evidence of NSE indices*
- (g) **Putti Srinivasa Rao** (Andhra Univ., India),  
**Ch. Ratnam** (Andhra Univ., India)  
*Acceleration residual generation approach using time series models for vibration based damage identification*
- (h) **Anitha Soni** (Technocrats Inst. of Tech., India),  
**P.G. Khot** (HOD Univ., India)  
*Full efficiency model by using Operations Research*
- (i) **Manish Sharma** (SKUASTJammu, India),  
**Sharad Bhatnagar** (CCSHAU-HISAR, India)  
*A general class of improved product type estimators for estimating population mean*

- (j) **M. Govinda Rao** (MSN Deg. Coll., India),  
**K.S. Srinivasa Rao** (Times Business Sch., India)  
*On interdependent queuing model with state dependence*
-

**O-1**

*“Econometrics”*

(Chair: **R.N. Mishra**, Patna Univ., India)

- (a) **Aboobacker Jahufer** (South Eastern Univ. of Sri Lanka, Sri Lanka),  
**Jianbao Chen** (Xiamen Univ., China)  
*Measuring local influential observations in modified ridge regression*
- (b) **Jubin Antony** (Mangalore Univ., India),  
**Aruna Rao** (Mangalore Univ., India)  
*Willingness to pay: A comparison between single and double bound estimators*
- (c) **P. Narayanasamy** (National Eng. College, India),  
**K. Senthamarai Kannan** (Manonmaniam Sundaranar U., India),  
**S. Suresh** (Manonmaniam Sundaranar U., India)  
*Stock market prediction by rescaled range analysis and Garch model*
- (d) **Rudra Prakash Pradhan** (IIT-Kharagpur, India)  
*The stock price and economic growth Nexus in India: Evidence from cointegration test*
- (e) **Recha Sarma** (Pune Univ., India)  
*Identification and estimation of simultaneous equations model of fertility in Haryana*

(Chair: **K. Rosayya**, AN Univ., India)

- (a) **G. Thirupati Reddy** (SV Coll. of Eng. & Tech., India),  
**K. Sreenivasa Rao** (Rayalaseema Univ., India),  
**Ujwal Kumar Behera** (Singareni Coll. Co., India)  
*Productivity improvement of coal mines using data envelopment analysis*
- (b) **R. Elangovan** (Annamalai Univ., India)  
*Determination of optimal time to recruitment in a two-grade organization*
- (c) **S.N. Megeri** (Univ. of Agri. Sci., India),  
**H.M. Chethana** (Univ. of Agri. Sci., India),  
**S.J. Patil** (Univ. of Agri. Sci., India)  
*Prediction models for teak and agriculture crop from teak based agro forestry systems*
- (d) **P. Balasubramanyam** (SV Univ., India),  
**M. Venkata Ramanaiah** (SV Univ., India)  
*Graphical measures of errors in regression modeling*
- (e) **D.N. Kashid** (Shivaji Univ., India)  
*Variable selection in regression using sum of transformed residuals*

- (a) **V. Archana** (Mangalore Univ., India),  
**K. Aruna Rao** (Mangalore Univ., India)  
*New estimators of population co-efficient of variation under stratified random sampling*
- (b) **Arajit Chaudhuri** (ISI-Kolkatta, India),  
**Mausumi Bose** (ISI-Kolkatta, India),  
**Kajal Dihidar** (ISI-Kolkatta, India)  
*Estimation of a sensitive proportion by Warner’s randomized response data through inverse sampling*
- (c) **R. Vijayaraghavan** (Bharathiar Univ., India),  
**D. Rajya Lakshmi** (Manonmaniam Sundarnar Univ., India),  
**A. Loganathan** (Manonmaniam Sundarnar Univ., India)  
*Selection of minimum sample size tightened-normal-tightened sampling inspection schemes*
- (d) **A.H. Ansari** (Kejriwall Inst. of Manag. and Dev. Studies, India),  
**Rahul Varshney** (Aligarh Muslim Univ., India),  
**Najmussehar** (Aligarh Muslim Univ., India),  
**M.J. Ahsan** (Aligarh Muslim Univ., India)  
*An optimum multivariate multi-objective stratified sampling design*
- (e) **Rahul Varshney** (Aligarh Muslim Univ., India),  
**A.H. Ansari** (Kejriwall Inst. of Manag. and Dev. Studies, India),  
**M.J. Ahsan** (Aligarh Muslim Univ., India)  
*On multivariate multi-objective compromise allocation in stratified sampling*

- (a) **S. Devaraj Arumainayagam** (Govt. Arts College, India),  
**G. Uma** (PSG Coll. of Arts & Science, India)  
*LQL indexed quick switching system compatible with MIL-STD-105  
E in structure*
- (b) **G. Gopal** (Univ. of Madras, India),  
**D. Damodaran** (Min. of Commun. & Inf. Tech., India)  
*A software reliability model with generalized Weibull test effort func-  
tion*
- (c) **Vinod Varghese** (Reliance Indust. Ltd., India),  
**Bhaskar Bisen** (Reliance Indust. Ltd., India),  
**Pradeep G. Khot** (RTM Nagpur Univ., India)  
*Reduction of chemical oxygen demand in waste water effluent plant  
with utilization of six sigma methodologies*
- (d) **Vinod Varghese** (Reliance Indust. Ltd., India),  
**Nandeo W. Khobragade** (RTM Nagpur Univ., India),  
**Pradeep G. Khot** (RTM Nagpur Univ., India)  
*A systematic approach to optimize cycle time of tanker through lean  
six sigma*
- (e) **R. Radha Krishnan** (PSG Coll. of Arts & Science, India),  
**P. Vasantha Mani** (SNR Sons College, India)  
*Determination of lot size in the construction of double sampling  
plans*

- (a) **S. Gajanana** (MVSR Eng. College, India),  
**P. Srinivas** (MVSR Eng. College, India)  
*Mathematical model for domestic refrigerator using two factorial design of experiments*
- (b) **Swati Raj** (Banasthali Univ., India),  
**Jagdish Prasad** (Univ. of Rajasthan, India),  
**Sarla Pareek** (Banasthali Univ., India)  
*An alternative method of construction of partially balanced incomplete block design*
- (c) **Susheel Kumar Sarkar** (Cent. Inst. for Res. on Buffaloes, India),  
**Krishan Lal** (Ind. Agri. Stat. Res. Inst., India),  
**Rajender Parsad** (Ind. Agri. Stat. Res. Inst., India),  
**V.K. Gupta** (Ind. Agri. Stat. Res. Inst., India)  
*Generation of linear trend-free designs for fractional factorial experiments*
- (d) **T. Nancharaiah** (DMSSVH Coll. of Eng., India),  
**B. Amarnagebdram** (DMSSVH Coll. of Eng., India),  
**D. Ranga Raju** (SRKR Coll. Of Eng., India),  
**M.M.M. Sarcar** (Andhra Univ., India)  
*Optimization of process parameters in FDM process using design of experiments*
- (e) **Amjan Shaik** (JNTU, India),  
**G. Anil Kumar** (JNTU, India),  
**C.R.K. Reddy** (JNTU, India),  
**Vivek Kulkarni** (JNTU, India)  
*Empirical analysis of metrics for object-oriented design complexity*

- (a) **Yesuf Obsie Mussa** (Andhra Univ., India),  
**P. Vijaya Lakshmi** (Andhra Univ., India)  
*Modeling and analysis of batch service multiple working vacation queues with renewable input*
- (b) **N.M. Wazalwar** (RTM Nagpur Univ., India),  
**M.V. Khaparde** (RTM Nagpur Univ., India)  
*Waiting time distribution of interdependent H2/M/1 queuing model – A combinatorial approach*
- (c) **G. Arivarignan** (Madurai Kamaraj Univ., India),  
**B. Siva Kumar** (Madurai Kamaraj Univ., India)  
*A perishable inventory system with postpone and retrial demands*
- (d) **K.V.S. Sarma** (SV Univ., India),  
**P.S.R.K. Prasad** (Narayana Eng. Coll., India)  
*An EOQ model with temporary stock dependent demand with random lag*
- (e) **R.N. Mishra** (Patna Univ., India),  
**Amita Verma** (Gangadevi Mahila Maha Vidy., India),  
**J.K. Sinha** (Dir. of Stat. and Eval., India)  
*Loss systems in the queuing process in multi-server case – A discrete time analysis*
- (f) **M.D. Prasad Patnaik** (M.R. Coll., India)  
*Inventory model for deteriorating items having demand as a function of time with variable cycle lengths*

(Chair: **R. Prabhakar Rao**, Inst. of High. Learn.,  
India)

- (a) **P. Anusha** (Cochin Univ., India)  
*A frailty model with competing risk*
  - (b) **B.T. Krishna** (GITAM Univ., India),  
**K.V.V.S. Reddy** (Andhra Univ., India)  
*Fractional Fourier transform theory and applications*
  - (c) **P.R. Chavan** (Dr. BAM Univ., India),  
**V.H. Bajaj** (Dr. BAM Univ., India)  
*Use of fuzzy multiple criteria decision making method in replacement problem*
  - (d) **R. Satya Prasad** (AN Univ., India),  
**Orsu Nagaraju** (AN Univ., India),  
**R.R.L. Kantam** (AN Univ., India)  
*SRGM and imperfect debugging based on multiple change-point*
  - (e) **Ruchit Ahuja** (National Institute of Industrial Engineering, India),  
Koilkuntla Maddulety (Natl. Inst. of Indus. Eng., India)  
*ISO 27001: A methodology for gap analysis and implementation of ISMS*
- 
- 
-