

# Report ICPAM-2018

## Day1 – 19.02.2018

The Department of mathematics organized the International Conference on Pure and Applied Mathematics (ICPAM-2018) during 19<sup>th</sup> and 20<sup>th</sup> February 2018. The programme was started with registration on 19.02.2018. 135 participants were registered. The inaugural function started with Lightening of Kuthu Vilakku. Prof. Dr. Ismail Naci Cangul, Uludag University, Bursa, Turkey, Prof. Dr. Vichian Laohakosol, Kasetsart University, Bangkok, Thailand, Prof. Dr. J. K. Verma, IIT-Bombay, Prof. Dr. P. Srinivasa Rao, IIT(ISM)-Dhanbad, Mr. Srinivasa Raghava, Member, All India Ramanujan Maths club, Prof. Dr. A. Jayalakshmi, (Retd.) Professor, SCSVMV, Prof. Dr. Bivudutta Mishra, BITS, Hyderabad, Prof. Dr. Jaya Subba Reddy, Sri Venkateswara University, Tirupati are the Chief guests for the function. In this function Prof. Dr. K. Srinivasa Rao, Convenor welcome the gathering, Mrs. D. Vijayalakshmi said about the conference, Prof. Dr. Vishnu Pothy, Vice Chancellor, SCSVMV gave the presidential address, Prof. Dr. G. Srinivasu, Registrar, SCSVMV gave the inaugural address. As a continuation of this felicitation address was done by Prof. Dr. T. Venugopal, COE, Director(Research & Publications) SCSVMV. The dignitaries released the conference proceedings. Dr. E. Geetha proposed the vote of thanks in that inaugural function.





The invited talk session was began by Prof. Dr. Ismail Naci Cangul. He delivered the talk on Applications of a New Invariant for Graphs. Prof. Dr. J. K. Verma inspired by his talk on Counting Roots of Polynomials using Newton Polytopes.



The topic Numerics Of Fluids: Challenges & Strategies was explained by Prof. Dr. P. Srinivasa Rao. Mr. Srinivasa Raghava admired his on the topic of Millennium Problems. He also gave the idea to solve the problems to the participants. Prof. Dr. Bivudutta Mishra delivered his talk on Study Of Cosmological Models With Mathematical Techniques.



Paper presentation session was conducted in both morning and evening. 50 participants presented their papers. Dr. A. Jayalakshmi, Dr. Jayasubba Reddy, Dr. Madhusudhan Reddy, Dr. K. C. Raajasekar, Mrs. N.Saradha, Prof. Dr. Vichian & Prof. Dr. Bivudutta Mishra chaired the sessions.





## Day2 – 20.02.2018

The second day programme was started with the recapitulation of the first day programme. Prof. Dr. K.P.V. Ramana Kumar, Dean, Management studies presided over the function. Prof. Dr. S. Sreenath, S. V. University, Tirupathi, Prof. Dr. S. Udayabaskaran, Vel Tech University, Chennai, Mr. Srinivasa Raghava, Member, All India Ramanujan Maths club, Prof. Dr. A. Jayalakshmi, (Retd.) Professor, SCSVMV, Prof. Dr. Jaya Subba Reddy, Sri Venkateswara University and Dr. Vichian Laohakosol, Kasetsart University, Bangkok were the delegates for this function.



Dr. A. Jayalakshmi gave the first invited talk on that day on the topic of The Study of a Semigroup through its Factorizable Elements Form a Band. Extended that Prof. Dr. Vichian Laohakosol delivered a talk on the topic of Analyzing the Positivity of Sixth-Order Linear Recurrence Sequences.



Prof. Dr. S. Sreenath was delivered his talk on the topic of Fluid Dynamics. Prof. Dr. C. Muthucumaraswamy gave the key-note address on Hall Effect Unsteady Flow Past an Isothermal Verticalplate in a Rotating Fluid with Variable Mass Diffusion in the Presence of Chemical Reaction of First Order.



Prof. Dr. Jaya Subba Reddy gave talk on Symmetric Bi-Derivations in Prime and Semiprime Rings. Dr. S. Udayabaskaran continued him on the topic of Branching Processes and their Applications.





Totally 4 paper presentation sessions were conducted. 50 participants presented their papers. Prof. Dr. P. Srinivasa Rao, Prof. Dr. Muthucumaraswamy, Prof. Dr. S. Udayabaskaran and Prof. Dr. T. Venugopal chaired these sessions.



The Conference came to an end with the valedictory function. Prof. Dr. S. Balaji, Dean, Faculty of science distributed the certificates to the participants. Dr. A. Dhanalakshmi read the Conference report and Dr. A. Gayathri delivered the vote of thanks.

