Secretary's Report on
The Annual Conference of BGP
Recent Trends in Mathematics: Topological Algebraic
Analysis and Applications 21-22 November, 2015

Bharat Ganita Parisad and the Department of Mathematics & Astronomy, University of Lucknow jointly organized the annual conference of BGP on "Recent Trends in Mathematics: Topological Algebraic Analysis and Applications" during 21-22 November, 2015 at University of Lucknow, Lucknow. Hon'ble Vice Chancellor of Lucknow University Prof S. B. Nisme inaugurated the conference. Prof. M Sitarammaya, Department of Mathematics, University of Hyderabad was the Chief Guest on the occasion.

The program started with the "Lightening of Lamp" followed by Saraswati Vandana, presented by the students of our Department. President of the society Prof R K Singh welcomed all the guests. Prof S B Nimse in his inaugural speech emphasized on the young generation who have choosen mathematics as a career to gain fundamental knowledge of the subject so that the same may be applied in solving existing unsolved interdisciplinary problems. Showing consent with Prof Nimse, chief guest Prof Sitarammaya in his speech told about the development of Mathematics and Geometry. I gave thanks to all the guests after which High Tea was taken.

The first academic session was chaired by Prof S B Nimse. Two talks were scheduled in this session. The first speaker in the session was Prof B N Waphare, Head, Department of Mathematics, University of Pune who delivered his talk on "Edge Decomposition of Hypercubes". Prof V. Kannan, University of Hyderabad was the second speaker of the session and he talked about the Geometry of Manifolds. After which lunch was taken.

The General Body meeting of BGP took place in room number 19 of the Department after the Lunch. 41 members were present in the meeting. Treasurer Prof Poonam Sharma presented the statement of expenditure and myself the annual report of BGP for the year 2015. Thanks were given to all the agencies who were partially supporting the conference. Prof Devi Singh appreciated the works done in one year by the newly elected Executive. He also raised the issue of updating of list of members of BGP. Few new members were approved by the General body. The General body unanimously decided to repeat all the members of the ongoing Executive committee for the next year.

The second academic session of the conference was chaired by Prof S C Arora, University of Delhi. In this session three invited talks were scheduled. The first speaker in this session was Prof M Sitaramayya, University of Hyderabad who gave his talk on "Geometric Structures on Statistical Manifolds". The second speaker from Pune Prof N Dharmadhikari informed about the Ancient mathematics in his talk "Glimpses of Ancient Indian Mathematics (Prachin Ganit Ki Pahchan)" and lastly Prof Gopal Datt presented his talk "Appearance of some Operators in the theory of Toplitz and Hankel operators".

There were parallel sessions of paper reading for pure and applied mathematics. The chairperson for pure mathematics were Prof R C Agarwal and Prof Bhaskar Srivastava and that for applied mathematics were Prof S C Arora and Prof Poonam Sharma. There were in all 58 presentations, 26 in pure mathematics and 32 in applied mathematics.

On the suggestion of few students, this time we initiated an "Interaction with Resource persons" program during the dinner which was arranged at the Department. All the Faculty members reached there with "Family" to raise the occasion. Young researchers had a good time talking to different experts of the subject and taking dinner.

On the second day, the Pre Lunch session was Chaired by Prof Amin Sofi, University of Kashmir. In this session Prof Harish Chandra, Department of Mathematics, Banaras Hindu University delivered his talk on "Anti-Normal Operators and composition Operators" after which Dr. Shiv Sharma Shukla, University of Allahabad talked on "Semi-slant Pseudo Riemannian Submersions from infinite almost para contact Manifolds" which was followed by high tea. After High tea "Meenakshisundaram-Pataudi Lecture" was delivered by Prof M Sitaramayya which was followed by a "Symposium on Topological Algebraic Analysis". The symposium was chaired by Prof R K Singh, Retd head, Department of Mathematics, University of Jammu and President BGP. Eminent speakers like Prof Manjul Gupta, IIT Kanpur, Prof S C Arora, University of Delhi, Prof Amin Sofi, University of Kashmir and Prof S B Nimse, Vice Chancellor, Lucknow University delivered their lectures during the symposium.

The last academic session of the conference which was chaired by Prof K D Singh included the invited lecture by Dr Satya Deo, University of Allahabad and Dr Gopal Datt. There was also a **"Symposium on Teaching and Research in Mathematical sciences"** and the coordinator of this symposium was Prof M Sitarammya. The panelist for the symposium included Prof Praveen Nagar, Head Department of Mathematics, Lucknow University, Prof Vivek Sahai, Lucknow University and all the invited dignitaries. Again there were parallel sessions of paper reading for Pure and applied mathematics.

The conference concluded with the Valedictory function. Thanks are due to our Hon'ble Vice-Chancellor Prof S.B. Nimseji, SERB, New Delhi, NBHM and other agencies for providing financial support for organizing the conference. We are also thankful to the all the invited dignitaries, participants and above all the volunteers without whom the conference would not be such a great Success!

Pankaj Mathur
General Secretary, BGP