

Report on the National Seminar

on

Advances in Nonlinear Analysis and Optimization

(February 15-17, 2014)

**Sponsored by National Board of Higher Mathematics (NBHM),
DAE, Govt. of India
& Chhattisgarh Council of Science & Technology**

School of Studies in Mathematics, Pt. Ravishankar Shukla University organized a three days Golden Jubilee National Seminar on “**Advances in Nonlinear Analysis and Optimization**” during February 15-17, 2014 to commemorate 50th birth anniversary of our university and we celebrated the glorious existence and noble service rendered by the University to the nation. The national seminar was conveyed by Prof. H. K. Pathak and organising secretary of the seminar was Dr. B. S. Thakur.

The main objective of the conference was to explore recent advances in nonlinear analysis and their applicability including the Optimization. During the seminar, a session was organized in the memory of Prof. S. P. Singh who is well known for his enormous contribution in the realm of mathematics.

In this seminar, hundred eight (108) including research scholar and professors from various parts of the country, such as Kolkata, Varanasi, Visakhapatnam, Aligarh, Chennai, Rishikesh, Bhopal, Ujjain, Jabalpur, Ahmedpur, Ajmer took part. Forty six research papers were presented in 13 technical sessions and twelve invited lectures were delivered.

The Chief guest of the inaugural functions was Prof. V. Kannan, Pro VC, Central University of Hyderabad and the function was presided over by eminent Mathematician Prof. V. P. Saxena, Ex. Vice Chancellor, Jiwaji University, Gwalior. The Key note address was delivered by Prof. V. Kannan on “Periodic Points and Chaos”. Prof. V. P. Saxena discussed on system of nonlinear ordinary differential equations in epidemiology. Convener of the conference Prof. H. K. Pathak discussed the theme of the National Seminar.

During the three days of the national seminar, thirteen technical sessions were organized ; Five for invited lectures and three for paper presentation. The invited speakers were Prof. V. P. Saxena, Ex.Vice-Chancellor, Jiwaji University(Gwalior), Prof. M.T. Nair, IIT Madras (Chennai), Prof. Prem Chandran, Vikram University (Ujjain), Prof. D.K. Ganguly ,University of Calcutta (Kolkata), Prof. Q. H. Ansari, AMU (Aligarh), Prof. Mamta Rani , Central University of Rajasthan (Ajmer), Prof. B. C. Dhage (Ahmedpur), Prof. D.R.Sahu, Banaras Hindu University (Varanasi), Prof. P.P.Murthy ,GGU Central University (Bilaspur), Prof. Geetha S. Rao, Ramanujan Institute for Advanced Study in Mathematics (Chennai), Prof. S. L. Singh, Gurukul Kangri University (Hardwar), Prof. G.V. Ravindranadh Babu, Andhra University (Vishakhapatnam).

The afternoon session of the third day concluded with a valedictory function chaired by Vice Chancellor Prof. S. K. Pandey. In this concluding session Prof. Geetha S. Rao, President Indian Mathematical Society was the chief guest and Prof. S. L. Singh, President ,Vijana Parishad of India, was a special guest who gave their blessing and good wishes for organizing such a high level academic activities by the School of Studies in Mathematics.

Though it was a rigorous and hectic national seminar in terms of time limitation, yet it was a general perception of the participants and invited speakers that this was a very high level, well planned and well organized national seminar. It was unanimously resolved in the concluding session to organize National Conference in the coming years.

(Prof. H. K. Pathak)

(Dr. B. S. Thakur)