



# POORNIMA UNIVERSITY

## Report

### On

## Two Days National Conference on 'Advances in Mathematical Sciences and Applications in Engineering & Technology' AMS-AET (2015) July 25-26, 2015

Two days National Conference on Advances in Mathematical Sciences and Applications in Engineering & Technology (AMS-AET 2015) was organized By Department of Mathematics in the premises of Poornima University on July 25-26, 2015.

The objective of the Conference was to provide an intellectual forum for exchange of knowledge and information in relation to latest developments in the field of Mathematics.

On the first day 7 Sessions were conducted which included Chief Guest Address, Two Key Note address and 2 Invited Talks and parallel session for paper reading and on the second day 4 sessions were conducted which included 2 Invited Talks and parallel paper reading sessions.

The conference was inaugurated with auspicious Ganesh vandana, lamp lighting and garlanding ceremony of Maa Saraswati.

The inaugural function was attended by **Chief Guest Dr. A. P. Singh**, Vice chancellor, Central University of Rajasthan, **Dr. V. P. Saxena**, Director, SIRTSS, Bhopal, **Dr. D. P. Sharma**, Academic Ambassador, UNDP & ILO Projects, **Dr. Raj Bali**, CSIR Emeritus Scientist, with other eminent dignitaries as **Dr. S. M. Seth**, Chairperson, Poornima University, **Dr. K.K.S. Bhatia**, President, Poornima University, **Dr. R. P. Rajoria**, Chief Mentor & Advisor, **Shri. Shashikant Singhi**, Director General, **Dr. Manoj Gupta**, Provost, **Dr. O. P. Sharma**, Director, PCE, **Dr. Ajay Kumar Bansal**, Director, PIET and **Dr. Mahesh Bundeale**, Dean (Research). The inaugural ceremony was preceded with the felicitation of honourable dignitaries.

**Dr. Shilpi Saxena**, Convener AMS-AET 2015, began the session delivering introductory speech about the conference in which she told the importance of mathematic applications in multi-disciplinary fields with some relevant quotes.

The Hon'ble **Chief Guest Dr. A. P. Singh**, Vice Chancellor, Central University of Rajasthan, considered as a doyen in his field of specialization in mathematics, very nicely explained the omnipresence of Mathematics in his speech. He emphasized on the fact that how each and every discipline is incomplete without mathematics. Mathematics is like God, used everywhere but seen nowhere.

The Hon'ble **Guest of Honour Dr. Raj Bali**, CSIR Emeritus Scientist, University of Rajasthan and Editor, RAOPS gave brief introduction of The Rajasthan Academy of Physical Sciences and declared that the paper presented in this conference will be published by RAOPS, after the peer review process.

**Dr. S.M. Seth (Presiding the Inaugural Function)**, Chairperson, Poornima University, Chairman PGC and PJ Foundation mentioned that there is a need to bring back old methodology of learning mathematics. He endowed the words of blessings for the inauguration of the functions.

**Dr. Mahesh Bundeale**, Dean (R & D), Poornima University had also graced the session by delivering address speech. In his speech, he thrown light on various research programs running in the university campus and its wider scope. Then after **Dr. K. K. S. Bhatia**, President, Poornima University, had briefed about the Poornima Foundation. Additional to this he had also encouraged one and all present in the conference with his welcome address. The souvenir of the conference was also released in the inaugural function.

Inaugural session was concluded by **Dr. Manoj Gupta**, Provost, Poornima University who gave vote of thanks and expressed his gratitude to everyone for being part of this grand intellectual gathering.

The inaugural session was followed by the **key note address of Dr. V P Saxena** on ‘Dual Integral equations involving Generalized Hypergeometric functions as Kernels’ and **Dr. D P Sharma** on ‘Role of Mathematics on Green Convergence of Computing, communication and collaboration’.

Invited Speakers **Dr. Madhavi Sinha**, Professor, BIT, Mesra and **Dr. Jugal Kishore Prajapat**, Associate Professor, Central University Rajasthan also delivered talks on ‘Challenges in Machine translation of Indian Languages’ and ‘Study of Mittag-Leffler function in unit disk’ respectively.

Invited talks were followed by parallel paper reading sessions and around 30 papers were present on the first day.

Second day of the conference opened with paper reading sessions, in which around 40 papers were presented in various disciplines of mathematics, engineering and sciences.

**Dr. T C Panda**, President, Orissa Mathematical Society, Orissa, gave the talk on ‘Numerical Modelling of Physical Processes with reference to Planetary Boundary Layer’ and **Dr. Jyoti Thanvi**, Professor, JECRC, Jaipur delivered talk on ‘EDA of census data 2011 particularly related to literacy rate of various districts of the country and model building’.

The conference closed with the valedictory function. Valedictory function was presided by **Dr. K. K. S. Bhatia**, President, Poornima University and the Guests of Honour of the function were **Dr. T. C. Panda**, President, Orissa Mathematical Society, Orissa and **Dr. Jyoti Thanvi**, Professor, JECRC, Jaipur. The report of the two days conference was presented by the Organizing Secretary.

