

## **A Brief report on WORKSHOP ON TEACHING STRATEGIES IN MATHEMATICS**

**Held during 28-29 April, 2017**

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Aiming to provide an intense training on teaching mathematics at undergraduate level for college and university faculty, a two-day workshop on 'Teaching Strategies in Mathematics' held during April 28-29, 2017 at Birla Institute of Technology and Science Pilani, K K Birla Goa Campus. Department of Mathematics, BITS Goa which is the first Indian academic institute ever win the prestigious Elsevier Mathematical Sciences Sponsorship Fund – 2017, to promote mathematical sciences in its neighborhood, hosted the event.

Speaking on the occasion, Prof. Raghurama G Director of BITS Goa said "With the learning, there is a strong need of unlearning, relearning how to teach the new generation students in this highly technological world. Teachers in this liquid society must be 'a meddler in the middle' and the process of teaching is mutual learning for both teachers and students. We should move from the attitude of 'I do, you do' to an effective and inclusive approach of 'we do'." He felt that availability of all information at the clique of the mouse for the students made the 21st century teaching a very challenging one and teachers should mould themselves to the required environment. He gave some informative examples of how unlearning can be used to understand, rectify, and avert the teaching collapses to some extent.

Prof. Nagaraj, IMSc Chennai, delivered a lecture on *Groups as automorphism of sets*, Prof.

Veerappa Gowda, TIFR Bengaluru, spoke on *mathematical analysis and applications to PDEs*

Prof. V. D. Sharma IIT Bombay, presented a lecture on *Hyperbolic PDEs and Associated*

*Nonlinear Wave Phenomena*. Prof. Arumugam, BITS Goa gave a lecture about *Methodology of*

*teaching mathematics* and Dr. Aravind, Wolfrum Research trained the participants on *Teaching mathematics using mathematica*. The event was basically designed to bring the college mathematics teachers in Goa on a single platform and share the information on teaching strategies



needed for effective learning process in mathematics. Around sixty college/university faculty participated in the workshop from various parts of India.

Dr. Amit Setia and Dr. Manoj Kumar Pandey, assistant professors in mathematics, BITS-Goa convened the event. The workshop was organized jointly by Department of Mathematics, BITS-Goa and Elsevier Publishing Company, Amsterdam, Netherlands.

