

this Session, 5 young researchers presented their research papers. Ms. Sreyasi Banerjee of the Department of Physics, Jadavpur University, spoke on “Ion-acoustic Solitary Waves in Multi-component Plasma with Warm Drifting Ions and Nonthermal Electrons and Positrons”. The second speaker of the Session was Sri Aniruddha Mitra of the Department of Instrumentation Science, University of Jadavpur . He delivered his talk on “Structural and Optical Properties of Dark Matter”. The third presentation was by Ms. Sayanee Jana of the Saha Institute of Nuclear Physics, Kolkata. Her talk was on “Nonlinear Coherent Structures of Alfvén Wave in a Collisional Plasma”. Sri Sourav Pramanik of the Saha Institute of Nuclear Physics, Kolkata was the fourth speaker of the Session. He delivered a lecture on “Effect of Transverse Magnetic Field on the Steady State Properties

of a Plasma Diode”. The fifth and final speaker was Sri Sujoy Biswas of the Department of Mathematics, Deshbandhu College for Girls, Kolkata.

A prize for the best presentation by a young researcher was awarded to Ms. Sayanee Jana of the Saha Institute of Nuclear Physics, Kolkata as per the recommendation of a panel of judges.

The Seminar ended with a formal “Vote of Thanks”. The entire financial support for organizing the Seminar was sponsored by the family members of Late Professor M. R. Gupta. (A few photographs of the seminar are in inside backcover)

Reported by
Purabi Mukherji, ISEC
(Invited speaker in the conference)

Training Programme on Non-Destructive Testing

80 hrs Vocational Training Programme on Non-Destructive Testing (NDT) in Ultrasonic Testing (UT) and Radiographic Testing (RT) was organised by the Student Chapter of the Mechanical Engineering Department, Brainware Engineering College at its Barasat campus on July 12-26, 2016.

The training programme was inaugurated by Prof. M. Bhattacharyya, formerly Head of Department of Mechanical Engineering, Jadavpur University. Prof. M. Bhattacharyya,

in his inaugural speech, explained the NDT process in a lucid manner. He advocated its importance for the employability of the students in the manufacturing sector. “Availability of the skilled human resources should be the key competitive advantage for India” said Prof. Bimal Chaudhuri, Director Projects of Brainware Engineering College. This is the reason behind the department is offering such courses in each summer and winter vacation in its campus.

According to Prof. M. Bhattacharyya, a synergistic partnership between industry, academia and the society at large is needed at this hour. Prof. M. Bhattacharyya was happy to find the participation of engineers working in BHEL and also the faculty members of this institute in the training programme.

Prof. S. Goswami, Director Research and Innovation and Head of the Department stressed that Non-Destructive Testing in addition to conventional material testing has a profound impact on medical imaging like Electrocardiography, Ultrasonography, Digital Radiography etc. As such, one can see that these testing procedures are already actively in use in various fields.

Dr. S. K. Chatterjee, Executive Director of the college, was present throughout the session to encourage students in its first chapter activity.

In the post lunch session, Sri Debasis Sarkar, Chief Engineer of Test Metal Corporation

(TMC) Kolkata, made presentation on NDT and its advantages. The entire programme was coordinated by Mrs Anandita Dey of Humanities Department and the Vote of Thanks was proposed by Sri Gourab Chakraborty, Assistant Professor of Mechanical Engineering Department and Convenor of the programme.

16 UG students, 3 faculty members and 2 Assistant Engineers from BHEL participated in the programme.

The inaugural programme was held on July 12, 2016. The training programme was concluded on July 26, 2016. Certificates of ASNT Level II was awarded to successful candidates after evaluation by the Engineer holding Level III certificate.

(A few photographs of this Training Programme are in back inside cover)

Reported by
Gourab Chakraborty and
Satyabrata Podder
Convenors
