

REPORT ON FACULTY DEVELOPMENT PROGRAMME ON EMERGING TRENDS AND APPLICATIONS

The faculty development programme started on 20th June 2017 at 10:00 am with Saraswati Vandana.

There were 11 external participants from different colleges and institutes and around 60 participants from Amity University Uttar Pradesh

The dignitaries on the stage were Dr. R. K. Sharma, Director, Solid State Physics Laboratory, New Delhi; Prof. V. K. Jain, Advisor, Amity Institute of Advanced Research and Studies; Prof. Ajay Gupta, Director, Amity Centre for Spintronic Materials and Prof. D. K. Avasthi, Director, Amity Institute of Nanotechnology.



Inaugural session of the FDP

Opening remarks for the FDP were given by Dr. Richa Krishna, which was followed by an introduction to the programme by Prof. D. K. Avasthi. He also gave a glimpse of the activities going on in Amity Institute of Nanotechnology.



Introduction to the FDP and highlights of AINT by Prof. D. K. Avasthi, Director, AINT

Thereafter, the message from Honourable Founder President was read out by Dr. Richa Krishna.

The programme progressed with the inaugural lecture at 10:30 am by Dr. R. K. Sharma in which he mainly focussed on the material research going on in Solid State Physics Laboratory, New Delhi. He also played a video on the activities in DRDO.



Dr. R. K.Sharma, Director, S.S.P.L. delivering inaugural lecture

The next speaker was Prof. B. R. Mehta from Indian Institute of Technology (IIT) Delhi. He mainly talked about the research in the area of semiconductors which was followed by a brain storming session.



Prof. D. K. Avasthi felicitating Prof. B. R. Mehta

After the lunch break, Prof. C. S. Pundir mainly talked about his research in the area of enzyme nanoparticles for biosensor applications. The next lecture was given by Dr. Ambuj Tripathi from Inter University Accelerator Centre in which he gave highlights of the accelerator based research and its significance over conventional techniques. Discussions with the speakers also continued during the tea. This marked the end on first day programme.

The second day started off with the lecture of Prof. Viresh Dutta from Centre of Energy Studies, IIT Delhi. His talk was based on the new trends in the area of photovoltaics. Participants discussed over various aspects with the speaker and the discussion continued during the tea break.



Interactive session after the lecture

The next lecture was given by Prof. B. D. Malhotra from Delhi Technological University in the area of biosensors. The programme progressed with the lecture by Prof. S. V. S. Nageswar Rao from Hyderabad University in which he talked about the application of Ion beams for Material Engineering. Brain storming continued during the lunch break. After the lunch, Dr. Satyabrata Mohapatra from Guru Gobind Singh Indraprastha University talked about photo catalysis behaviour of semiconductors and the role of ion beams in improving their properties and the recent trends in this area. Thereafter Prof. Ajay Gupta from Amity Centre of Spintronic Materials, AUUP gave a detailed talk about surface Nano structuring using energetic ions and its applications. This was followed by a poster session of about one and half hour by the participants in the F2 Foyer. Participants interacted with the experts and among themselves during the session. This marked the end of second day program.



Poster session in F2 Foyer



Interaction during poster session

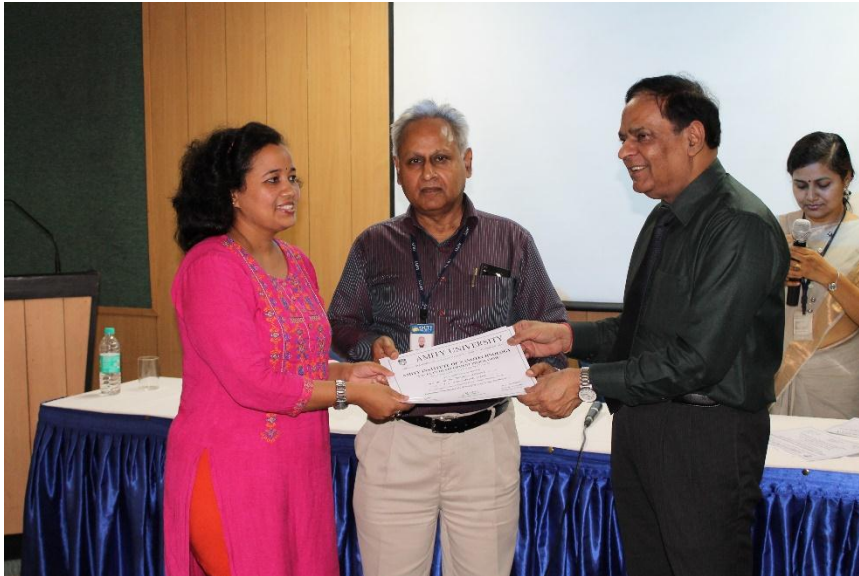
The final day started off with a very informative lecture by Prof. Vinay Gupta from Delhi University on functional nanomaterials. The next talk was given by Dr. Deepak Kumar from ITMMEC, IIT Delhi. Huge discussion followed thereafter. Dr. Deepshikha Pande Katare, Centre Head, Centre of Medical Biotechnology, Amity Institute of Biotechnology talked about proteomics and their latest findings on Diabetes and Alzheimer. The next talk was given by Dr. Basant Sikarwar from Department of Mechanical Engineering, AUUP where he talked about his latest research on developing new hydrophobic materials.

After the lunch break, Dr. Jigjiwan Mittal gave a lecture on carbon nanomaterials. This was followed by a lecture by Dr. Suman from Amity Institute of Advanced Research and Studies in which she talked about her product based research in the areas of water purification and sensing etc.

This led to the end of the series of lectures in the three days programme. A concluding session followed after the tea break in which participants shared their experiences.



Participants sharing their experiences



Certificate distribution at the concluding session

Most of them talked about their enriching experience at the FDP. Thereafter Prof. D. K. Avasthi, gave his concluding remarks and distributed the certificates to the external participants. In the end Prof. O.P. Sinha gave the vote of thanks and concluded the three days faculty development programme.



Prof. O.P. Sinha giving the vote of thanks