‘Science Academies’ Lecture workshop for College Teachers & students (graduate & postgraduate level)

Sponsored by
Indian Academy of Science, Bangalore
Indian National Science Academy, New Delhi
The National Academy of Sciences, Allahabad

Organized by
Department of Nano Science and Technology, Faculty of Engineering & Technology, Mody University of Science and Technology, Lakshmangarh, Sikar, Rajasthan-332311

Convener: Prof. Prof. Ashok Kumar Ganguli, FASc FNASc, Director, INST, Mohali
Patron: Prof. Vishwanath (Vish) Prasad, President, MUST
Chairman: Prof. J. V. Desai, Dean, FET
Co-Chairman: Prof. M. K. Jha, Associate Dean, FET
Advisor: Prof. Amit Mukherjee, Head, Dept. of Nano Science and Technology, FET
Coordinator: Prof. Amlan Kumar Das, H & S, FET

Title of the workshop: ‘Science Academies’ Lecture Workshop on “Nanoscience & Nanotechnology: Challenges and Opportunities”
Venue: Room No: 1, New FET, MUST
Date: 21-22 November, 2014

Programme:
Inauguration Ceremony
Date: 21” November, 2014
(Registration- 8:30-9:00)
Time: 9:00
Invocation
Lighting of Diya by Dignitaries
Presentation of bouquet by Coordinator to the dignitaries.

9:10-9:15 Welcome Speech by Prof. J. V. Desai, Chairman of the Workshop
9:15-9:25 Speech by Prof. Ashok Kumar Ganguli, Convener
9:25- 9:30 Speech by Prof. M. K. Jha, Co-Chairman of the Workshop
9:30-9:35 Speech by Prof. Amit Mukherjee, Advisor
9:35-9:45 Speech by Chief Guest Prof. Vishwanath (Vish) Prasad, President, MUST
9:45-9:50 Vote of Thanks: Dr. Amlan Kumar Das, Coordinator

Group Photographs in front of FET
High Tea at the basement
LECTURE WORKSHOP - A REPORT

Two days Science Academies lecture workshop on “Nanoscience & Nanotechnology: Challenges and Opportunities” has been successfully organized by Dept. of Nanoscience and Technology, FET during 21-22 November, 2014. The lecture workshop was intended to benefit students and teachers at the undergraduate, graduate, postgraduate and research levels. The workshop has been designed to have useful relevance to the curriculum covered in the post graduate, graduate and undergraduate programmes and did also cover some topics at the research level.

The lecture workshop has been sponsored by Indian Academy of Science, Bangalore, Indian National Science Academy, New Delhi & National Academy of Science, Allahabad.

The workshop was organized by Department of Nano Science and Technology, Faculty of Engineering Technology, Mody University of Science and Technology, Lakshmangarh, Sikar, Rajasthan-332311. Prof. Prof. Ashok Kumar Ganguli, FASc FNASc, Director, Institute of Nano Science and Technology, Mohali was the convener of the workshop. Prof. Vishwanath (Vish) Prasad, The honorable President of the University was the patron and Prof. J.V.Desai, Dean, FET was the Chairman of the workshop. Prof. M. K Jha was the Co-chairman and Prof. Amit Mukherjee was the advisor of the workshop.

The workshop was coordinated by Prof. Amlan Kumar Das, Humanities & Science, FET.

The workshop was basically aimed at the college and University teachers, graduate, post graduate and research students belonging to the institution of the state of Rajasthan and nearby states to give them exposure and an opportunity to interact with the eminent scientists and professor from reputed institutions to gather knowledge about the latest field of research in nano science & technology and its application in various field.

Eminent scientist & professor from various reputed institute like Indian Institute of Technology, Delhi, Kharagpur and Kanpur has delivered their lectures on the above mentioned topic.

In this workshop we had an overwhelming response of around 200 numbers (Registered Participant 166) of registered teachers & students participants from all over the state and nearby places. Participants from as good as 16 institutions have participated in the workshop and have taken the full advantage of interactions with the eminent scientist of the field. This huge participation was possible because of timely dissemination of information in the website, social media and in press by PRO of the University Ms. Charu Prasad. The hard copy of the brochure of the workshop was distributed in around 250 institution of the state.

There were five (5) distinguished invited speakers for the workshop.

1. Prof. A. K. Ganguli, Convener, FASc, FNASc, Director, Institute of Nano Science and Technology, Mohali
2. Prof. Neeraj Khare, FNASc, Department of Physics, IIT Delhi
3. Prof P. Pramanik, Dept. of Chemistry, Nanomaterials Laboratory, IIT, Kharagpur
4. Dr. Shantanu Bhattacharya, Department of Mechanical Engineering, IIT Kanpur
5. Dr. Priyanka, Scientist C, Institute of Nano Science & Technology, Mohali
A total of 09 lectures were delivered in the two days workshop encompassing topics related to nano science & technology and its application in various field.

Topics have been covered in the workshop – introduction to nano science and technology and their application in various field. Application of nano-materials and technology in solar energy, magnetic storage device, catalysis, nanosensors, application of nanomaterials in biological and medical science.

The workshop began on 21st November, 2014 in a traditional manner by the lighting of Diya & garlanding of Saraswati Devi followed by a Saraswati Vandana in presence of President, Registrar, PRO, Controller of Examination, All General Managers, Deans of all division, head of the departments, faculty members and stuff and huge number of participants. Prof. J V Desai, Dean, FET gave a very warm welcome address to all the participants, invited speakers and all other dignitaries. Prof. Desai also mentioned the importance of such academic activities. This was followed by an enlighten speech by Prof. Ashok Kumar Ganguli, the convener of the workshop. He threw light on the main theme of the workshop and called upon the participants to interact with the eminent personalities present in the workshop so that they could gather knowledge which can be used for solving real life complex problem. It was followed by the enlightening speech of Prof. M K Jha, Co-Chairman of the workshop and Prof. Amit Mukherjee, Head of the department and Advisor of the workshop. The workshop was formally declared opened by the enlightening speech by Prof. Vishwanath (Vish) Prasad, The honorable President of the University and the chief guest of the inauguration ceremony of the workshop. The inaugural ceremony was ended with the vote of thanks delivered by Prof. Amlan Kumar Das, the coordinator of the lecture workshop.

The whole inauguration programme was conducted under the leadership of Dr. Harshita Sachdeva.

The technical session was jointly hoisted by Dr. Kushal Quanongo and Dr. P P Paltani. The session started with Prof. Ashok Kumar Ganguli, Convener of the workshop and Director, INST, Mohali, this was very informative and interactive. Prof. Ganguli’s lecture on “Nanotechnology in nature and for the future” which focused on application of nano materials in various fields and how it will serve the problem of society. All the sessions was chaired by Prof. N K Joshi, Prof. A K Sharma, Prof. P K Ghosh and Prof. S K Lenka respectively.

There were several other lectures delivered on nano materials magnetic particles and their application in biology. Lecture of Bio-MEMS, Bio nanotechnology and microfluidics for clinical detection and sensing” and fabrication of Biomedical Microdevices”. Lectuire were devoted on “Nanobiotechnology Perspectives from Proteins to Nanodevices” and “Biosensors for quality life: Design, development and applications”

This two days lecture workshop provided opportunities for interaction between leading research scientists of our country and aspiring students and teacher belonging to the institutions of the state of Rajasthan. After each lecture about 10-20 minutes has been spent on the queries of the participants to the speakers.

The last session of the workshop was valedictory session started with the presentation of the report of the workshop by Prof. Amlan Kumar Das, Workshop coordinator then feedback from participants & distribution of certificates.

There was a feedback session in the last day of the workshop. Participants were asked to come to the stage and express their experience and comment over the need of the workshop and how this workshop was helpful to them and any other suggestions regarding the workshop.
The participation certificates of the lecture workshop were distributed to all the registered participants. The workshop was ended with vote of thanks by the coordinator of the workshop Prof. Amlan Kumar Das.

The whole valedictory programme was conducted under the leadership of Dr. Rakhee Choudhury

Prof. Amlan Kumar Das, Workshop Coordinator