



Department of

Nanoscience and Technology
Core Competency

Principal Hallmarks

- Smart Class Rooms
- Modular M.Sc Labs & Research Labs
- Computer facilities with 24x7 internet & Wi-Fi facilities
- Highly Equipped Research Labs
- Facilities to synthesis & Characterization of Nanosystems
- Instruments for the analysis of Nanomaterials to be used in different fields like Nanoelectronics, Nanochemistry, Nano Biotechnology etc.
- Collaborative works with the following leading institutions:
 - Battery Division, CSIR – CECRI, Karaikudi
 - Bose Institute, Kolkatta.
 - Banaras Hindu University, Varanasi
 - C – MET & DIAT, Pune
 - DMRL, Hyderabad

Nanoscience and technology (NST) is simply science and engineering carried out on the nanometer scale which provides some sense of how this scale relates to everyday scales. Nanotechnology is highly interdisciplinary, building upon core competencies from many traditional disciplines, including materials science, chemistry, physics, biology and all engineering disciplines. The Department currently offers programs such as M.Sc.(NST), M.Sc.(Chemistry) with NST specialization, M.Phil. (NST), and Ph.D.(NST). Nanoscience and Technology program is architected to gather relevant fundamental knowledge of understanding from all disciplines of science and important concept of engineering. DNST has faculties with multidisciplinary fields like Nano Materialist, Nano Biologist, Nano Geologist, Nano Electronics, Nano Chemists etc.

Deeds & Developments

- Workshop on “High Performance Computing” on 21.8. 2015. Training was given by the Engineers from Intel and Calligo Technology, Bangalore.
- Invited talk organized on “Introduction to Test of English as a Foreign Language (TOEFL)” to create awareness to the Students of our University about TOEFL and the opportunities for their higher education in abroad on 21.07.2016
- International Conference entitled “Frontier Areas in Chemical Technologies (FACTs – 2016) during 21-23 March, 2016”.
- National Seminar on” nanomaterials for Specialized Applications (NMSA-2017) during Feb.9&10, 2017

Awards & Achievements

Faculty:

- Rastriya Nirman Rattan” by Economic Growth Society of India, Delhi awarded during the National seminar on “ Individual achievements for Economic & Social Development” on 26th August, 2012 at Delhi
- National Health leadership Award” by Health and Education Development Association, Delhi, 2012 for Outstanding Individual achievement & distinguished services to the nation during December 23, 2012.
- Asia-Pacific Global Award”, Global Achievers Foundation for Individual contribution for International Integration during Indo-Thailand seminar on “ Global Achievers Summit” on 4th January, 2013 in Bankak, Thailand

Scholars / Students:

- Best Poster presentation of our paper presented in 1st International conference on Functional materials for Defence -2012 (ICFMD-2012) , organised by DIAT, during May 18-20, 2012, Pune