FAQ's (Nanoelectronics and Its Industrial Application Program)

Q: I am electronics engineer. Why I need to do this program?

A: This program explains all the latest developments taking place in the electronic industries. Today all electronic industries are using the processes at nano-scale for better and advance electronic products. Nanotechnology is playing vital role in electronic industry by facilitating these processes .Every individual working or studying in electronics area must know the importance of all aspects of this technology for better career. This program also leads to those fresher who want to make their career in electronic industries.

Q: What are the Career Aspects?

A: Various Positions in Electronics/ Electrical/ Communication Industries in the area of Nano scale fabrication, Micro/Nano electromechanical systems (in Engineering/Management domains):

- Service Engineer (Microscopy)
- Research Scientist (Materials – Photovoltaic)
- Atom Probe Engineer
- Internal Sales Engineer
- Application and Business Support Engineer
- Research Assistant/Associate
- Solar Energy Competitive Intelligence Leader
- Development Engineer (Wafer Fabrication)
- Senior Wafer Fabrication Process Engineer (Etching)
- Senior Wafer Fabrication Process Engineer (Photolithography)
- Senior Research Engineer (Packaging Reliability)
- Senior Research Engineer (Circuit designer)
- Senior Research Engineer/Officer (Millimeter Wave and Modeling)
- Senior Research Engineer (MEMS)
- MEMS Process R&D Manager
- Defect Metrology Engineer
- Product Engineer (LED Chips)
- Senior Epi Process Engineer
- Research Scientist (Wafer Fab)
- Manufacturing Engineer (MEMS Pressure Sensors)
- Engineer (Electronics Design)
- Generator Manufacturing Engineer
- Engineering Services Engineer (Control)
- Senior Scientist (Micro-Robotic Munitions)
- Test Engineering Manager
- Merchandising Execution Manager
- Senior Research Engineer
- Engineer Systems Staff
- Lead Electronics Engineer
- Engineering Manager
- Sr. Staff Test Engineer
- Account Clinical Director
- PGS GT Controls Senior Services Training Instructor
- Senior Scientist and Project Manager
- Senior Thermo Mechanical Engineer
- Market and Technology Development Manager
- Americas Thermal Manager - Global Field Operations
- Senior Configuration Manager
- Equipment-Facility Integration Engineer

(MEMS Sensor Design) ▪ Senior Research Engineer(Analog & Mixed-Signal Circuit & System Design) ▪ Senior Research Engineer (MEMS & Advanced Package Reliability Engineering)	(Wafer Level Packaging for MEMS device) ▪ Senior Research Engineer (Digital Integrated Circuits & Systems) ▪ Senior Research Engineer (Neuroprobe)	▪ Solar Energy Competitive Intelligence Leader ▪ Senior Engineer (Testing & Power Grid Compliance) ▪ Lead Requisition Manager

Major Industries in Electronics Using Nanotechnology in their Products:

▪ Samsung® ▪ AMD® ▪ a123systems ▪ Starkey, Inc. ▪ Multiple Manufacturers ▪ IBM® ▪ Apple®, Inc. ▪ Intel® ▪ Eikos® Inc. ▪ IOGEAR®, Inc. ▪ Lenovo ▪ LG® Electronics ▪ Asahi® Glass Co., Ltd ▪ Panasonic® Inc. ▪ Ecology Coatings	▪ NovaCentrix, Corp ▪ Motorola® ▪ NanoFilm® Ltd. ▪ NanoHorizons® ▪ Nikon ▪ ABC Nanotech Co ▪ Nantero®, Inc ▪ Eastman Kodak® Company ▪ DuPont® ▪ Pioneer® Company ▪ Planet82™ ▪ RiT Display Corporation ▪ Sanyo® ▪ Sony® Corporation	▪ Universal Display Corporation® ▪ G7 Productivity Systems ▪ Microsoft® ▪ GE ▪ Pacific Biosciences, Inc. ▪ Pfizer ▪ Freeslate, Inc. ▪ Milliken & Company ▪ Air Force Materiel Command ▪ Freescale Semiconductor Inc, ▪ FEI Company ▪ Amkor Technology ▪ Hill-Rom, Inc.

Q: How can I access the program material?

A: NSTC has a very unique eLearning Management System (http://nstc.celnet.in), after enrollment in the program, every participant will get a user-id & password. Using this id and password, participants can access the program material 24 x7 through the system.

Q: Is there any contact class for this program?

A: The program is based on e-learning management system and print material is provided.. No one needs to come and attend any class. Participants can do this program while continuing their current work.

Q: Is there any time limit to complete this program?

A: The project must be completed in the given time. If in case it could not be completed, there is a provision of re-registration against payment of nominal fee. This will extend the project for next three months.

Q: What is nature of the program?

A: NSTC- Nano Scale Electronics & Its Industrial Applications training program is distance participation powered by eLearning Management System.

Q: What is e-Learning?

A: This is online learning system through it one can study anywhere under the globe and 24 X 7 times. This system is secured and can share views with others confidentially.

- These programs is offered through world class LMS (e-Learning management system) which takes care of all the needs of a course participant (student) and the faculty (teacher) and thus create a class room environment using internet as a backbone. Students can access the program using a simple internet connect and can also learn, participate and do all the assignments online using the various modules in the program.
- The course is very interactive and has quizzes, test, glossaries, online assignments and also paper submission for evaluation.
- Participants can have access to various online recourses as well as access to the course co-coordinators through emails, web chats and over telephone.

Q: Is NSTC affiliated with UGC/AICTE?

A: These kinds of training programs do not come under preview or affiliation through AICTE/UGC. NSTC provides the certification training programs as compare to other corporate houses. NSTC has been working in area of certification training programs one of major area for past six years.

Q: Do NSTC provide me placement assistance?

A: NSTC is supported by an in-house full-fledged placement division which guides and helps all the passing out participants by helping them in preparing their resumes, getting them geared up for interview rounds, preparing up for various interview techniques, also helping them in applying for various positions and arranging interviews with potential companies.