



A Nanotechnology platform

NANO SCIENCE AND TECHNOLOGY CONSORTIUM

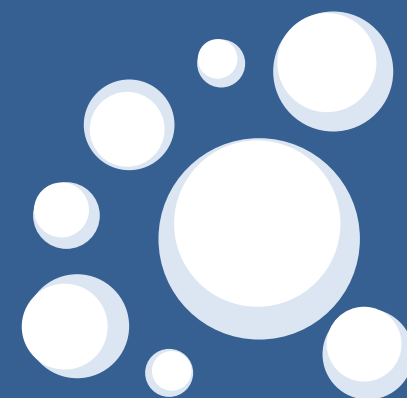


Learn the smarter way!

e-PROGRAMS
CATALOGUE

www.nstc.in

info@nstc.in



NSTC: an overview

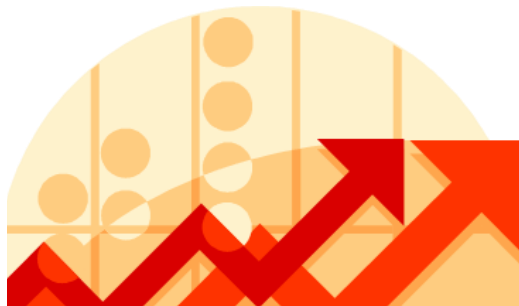
Nano Science and Technology Consortium (NSTC) is a non-government, professional association with the goal of fostering research, business collaboration and providing advanced education and training in nanotechnology industry and thus playing a proactive role in India's development process in the field of Nanotechnology.

Founded in 2006, NSTC is India's premier business association in Nanotechnology arena, with membership from the private as well as public sectors, including SMEs and MNCs, Research institutes, Academicians and the students.

Small Science Big Deal!

Nanotechnology is the emerging field in science and technology and is poised to bring in revolutionary changes across all spheres of life. Nanotechnology can be applied across a wide variety of fields, right from medicine, textile, education, polymers, packaging, auto and aerospace, food science, environmental monitoring and control, forensics and many more.

According to the National Science Foundation (USA), Nano related business could be a \$1 trillion by 2015, making it one of the fastest growing industries. According to a study by Nanotechnology Victoria, the number of nanotechnology professionals needed by 2015 would be more than 1 million.



The Nanotechnology impact on India is predicted to be larger than the IT and internet boom. While information and communication technologies had already seen convergence, nanotechnology, "is the field of future that will replace microelectronics and many fields with tremendous application potential in the areas of medicine, electronics and material science", says the former President, Dr. A.P.J. Abdul Kalam

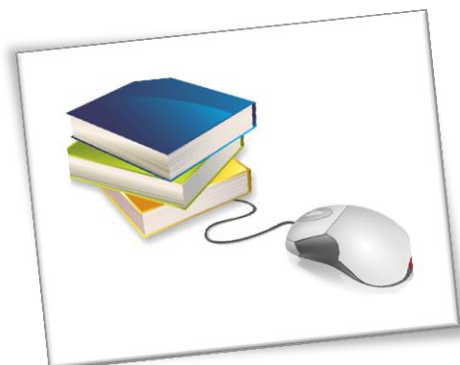
Teaching Methodology

- ✓ Enroll for the Program
- ✓ Participants receive enrollment no. and log in details of Learning Management system (LMS).
- ✓ Study material sent through Post
- ✓ Online assessments/ quizzes. Solving query & interaction with faculty.
- ✓ Examination, Project submission & Certification

eLearning = Smart Learning

Looking Forward to acquire skills and knowledge to boost your career but do not have time for classroom learning?

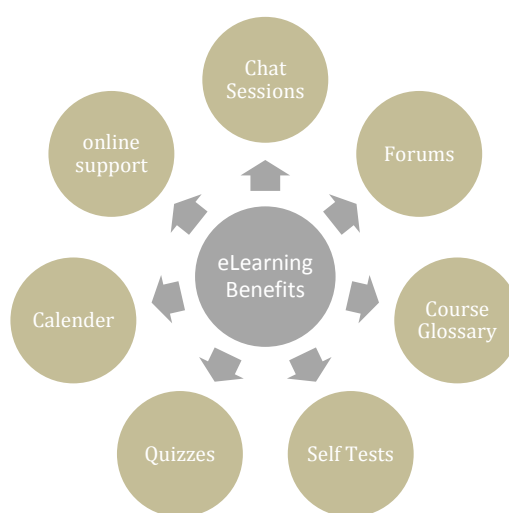
We have the solution!



NSTC Program Feature:

- Flexible schedule & self-pacing
- Online course material & Learning
- Online student support
- Online guidance & tutoring
- Printed study material (Books) and CDs
- Progress Tracking

NSTC provides one of the strongest eLearning platform to support its participants, who participate on web-portal activities on <http://nstc.celnet.in> and receive internet based support through continuous interaction with faculty and other participants.



Examination

Examination/Evaluation for program shall be conducted periodically both online as well as through written assignment.

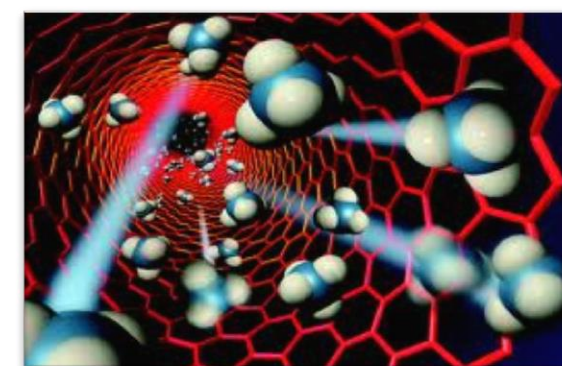
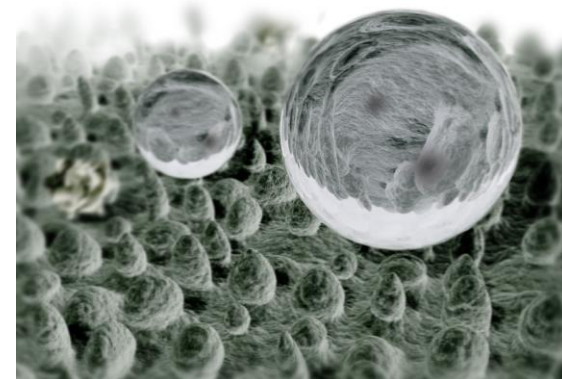
Final certification awarded on the basis of

- Mid-term Assignments
- Final online examination
- Project Work

The candidate successfully qualifying the course shall be awarded with a certificate and statement of marks by NSTC in hard copies, sent by registered post.

Industry Recognition

NSTC's programs have been chosen by numerous students, academicians and professionals in India and overseas. So far, participants from more than 100 reputed Indian companies including Wipro, Infosys, TCS, Tech Mahindra, Johnson & Johnson, Siemens, ITC, Sap Labs, AIIMS, Biocon, Dr. Reddy's Lab, SRL. Ranbaxy, HSBC, HCL, Nokia, Larsen & Turbo, Tata Steel, MRF, Reliance Energy, TVS, ONGC, IISc. ISRO, DRDO, IITs, etc. have successfully completed various programs of NSTC.



Why Learn with NSTC?



- ✓ NSTC is India's premier institute in providing high quality Nanotechnology education through e-learning mode
- ✓ NSTC e-courses has been taken up by students in India and abroad
- ✓ With NSTC's smart e-learning module, learn at your own pace, on your schedule, from any location with Internet access
- ✓ Program course content designed by highly competitive faculty from various reputed institutes like IIT, BHU, DU etc.
- ✓ NSTC's program course content is designed keeping in mind the latest information in Nano science & technology and caters to the requirements of research and industry both.
- ✓ Opportunity to publish papers in **Nanotrends**, the pioneer journal on Nanotechnology published by NSTC

Nano Sensitization Program

The program aims to provide good academic foundation in the areas of Nanoscience and Nanotechnology. It intends to meet the emerging demands of nanotechnology professionals and will prepare the participants for a successful career in Nanoscience and Technology, for career advancement of existing professionals in various industries.

Duration: 3 or 6 Months

Eligibility: 10+2/ graduate/ post-graduate in any discipline. Experienced professionals, academicians and researchers are also advised to join this

Introductory Program in Nanotechnology

The program explains the basic perception & exploration of this emerging field. It tops this with applications of technology in various sectors to aware the implementations of Nanotechnology at various levels. It is ideal for those who want to explore science and are curious about demand of Nanotechnology in daily life.

Duration: 3 Months

Eligibility: 10+2 / diploma / undergraduate / post-graduate in any discipline. Experienced professionals, academicians and researchers are also advised to join this program.



Nanoelectronics & industrial applications

This advanced program is meant to enhance the knowledge base of participants in the area of electronics. It enables the participant to be able to understand the various processes and business aspects of nano scale technology in electronics from the point of view of the industry.

Duration: 6 Months

Eligibility: Graduation / Post-graduation / PhD - Electronics/Electrical/Electronics & Communication. Those who are pursuing Graduation can also join.

Integrated Program in Nanotechnology

Nanotechnology is highly interdisciplinary, involving physics, chemistry, biology, materials science, and the full range of the engineering disciplines. This interdisciplinary program is designed for students seeking a collaborative education that meets the broad and expanding needs for Nanoscience and Nanotechnology education.

Duration: 9 months

Eligibility: Graduation / post-graduation / PhD in any scientific discipline. Experienced professionals, academicians and researchers are also advised to join this program.

Nanotechnology Teacher's Training Program

This innovative training Program aims to give participants a broad view of Nanotechnology and its prospective, so that the teacher can give a comprehensive view of this technology to students. Covering the entire gamut from the historical to present and future perspectives of Nanotechnology, the program covers the syllabi of various state technical universities.

Duration: 3 or 6 Months

Eligibility: Association with teaching profession with minimum bachelor degree in Science & Technology.



Nanopharmaceuticals & its industrial applications

Ample of research effort is going on in application of nanotechnology in therapeutic segments. This program imparts students with a strong scientific foundation for the design and development of a wide array of nanotechnology-based biocompatible products with advanced drug delivery functionality.

Duration: 6 Months

Eligibility: Graduation / Post-graduation / PhD in Pharmacy/ Biopharmaceuticals/ Clinical Sciences/Biotechnology. Those who are pursuing Graduation can also join.

Industry Program in Nanotechnology

The industry level program is an advanced program meant to enhance the knowledge base of participants who have a very basic knowledge of Nanotechnology. It equips the participant to be able to understand the practical and business aspects of various Nanotechnology techniques and materials from the point of view of the industry.

Duration: 6 Months

Eligibility: Graduation / post-graduation / PhD in any scientific discipline. Experienced professionals, academicians and researchers are also advised to join this program.

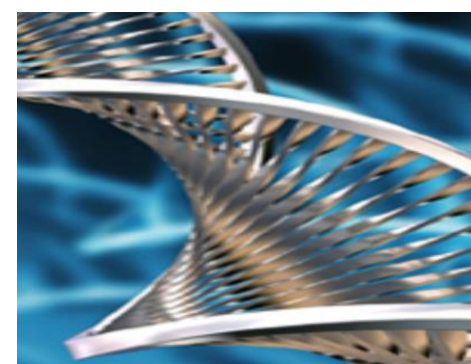
Summer/ Winter Training & Project work

These projects focus on emerging areas of nanotechnology and its business aspect. The project includes online tutorials and assessments, and is assessed through project work and online assignments. All the participants have to submit a project report at the end of the project duration.

Duration: 3 to 6 Months

Eligibility: Students pursuing Graduation/ Post graduation/ PHD in any field of science.

NSTC also provides Laboratory facility in Nanotechnology. Contact us for more details or visit our website.



Bionanotechnology & its medical applications

This unique flagship interdisciplinary program offers the possibility of understanding the smallest structural features of a cell or tissue, and using that knowledge to develop medical devices or treatments that will work on a scale 100,000 times smaller than the diameter of the average human hair. This unprecedented opportunity will unlock the secrets of biology on an entirely new level and open a new era in healthcare.

Duration: 6 Months

Eligibility: Graduation / post-graduation / PhD in Life Sciences. Those who are pursuing graduation can also join.

Scientific & Technical Writing Programs

Scientific and Technical Writing program offers students practice in the forms and discourses of scientific and technical writing as they develop, research, and revise an independent project. This program imparts strong technical /scientific writing fundamentals to the trainees thus creating professionals well-grounded in the principles of scientific and technical documentation.

Duration: 6 Months

Eligibility: Graduation in any discipline. Those who are pursuing a degree / diploma program are also eligible.

Certificate program in Instructional designing

The term Instructional designing refers to a systematic process of translating principles of learning and instructions into plans for instructional materials and activities. This course provides the foundation for latest instructional development that focuses on aligning skills and knowledge needed to achieve organizational strategic goals and objectives.

Duration: 3 Months

Eligibility: Graduation in any discipline. Those who are pursuing a degree / diploma program are also eligible



Enrollment Process

- Download the application form of the program from NSTC website
- Fill the form with your details and affix your latest passport photograph
- Attach photocopies of your mark sheets
- Send your form and mark sheets to our postal address

Please Note

An applicant can register in more than one program at the same time.

Certificate program in Content writing

Content writing offers attractive career opportunities to the graduates who have flair, skills and the ability to write. This is a course which is designed to help you acquire all the knowledge and skills required to become an effective content writer. The course is developed by professionals who have extensive experience in this field.

Duration: 3 Months

Eligibility: Graduation in any discipline. Those who are pursuing a degree / diploma program are also eligible.

Certificate program in Medical writing



There is an increasing need in the pharmaceutical and biotech industry for medical writing professionals. Medical writing specialists develop documents in a standard and well written fashion, compliant to regulatory standards for approval of drugs, devices and biologics. Covering both, *Regulatory medical writing* & *Educational medical writing*, this program will provide you with the expert training to hone your medical writing skills.

Duration: 3 Months

Eligibility: Graduation in any discipline. Those who are pursuing a degree / diploma program are also eligible.

Batch Schedule

- Spring Batch (March-August)
- Summer Batch (June-November)
- Autumn Batch (September-February)
- Winter Batch (December-May)

Fees payment mode

The fees can be paid through one of the following mode

- Demand Draft/ Cheque
- Online transfer
- Bank cash transfer



Environment, Health & Safety (EHS) Compliance professional program

This professional program prepares knowledgeable and concerned individuals who can help organizations to achieve their goals towards EHS and ensure know-how of practical implementations of environment, Health & Safety (EHS) Compliance at various levels.

Duration: 6 Months

Eligibility: Diploma/ graduation/ post-graduation course or working professionals, in any discipline or industry

Avail Scholarship!

Scholarship scheme available for meritorious students and Group joiners

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