THREE DAY - PG SPECIAL LECTURE SERIES
WORKSHOP ON:
NANO SCIENCE AND TECHNOLOGY

January 22-24, 2020

[Wednesday, Thursday & Friday]

Venue: KSTA Office Auditorium

Organized By

KARNATAKA SCIENCE AND TECHNOLOGY ACADEMY [KSTA]

Department of Science and Technology, GoK

In association with

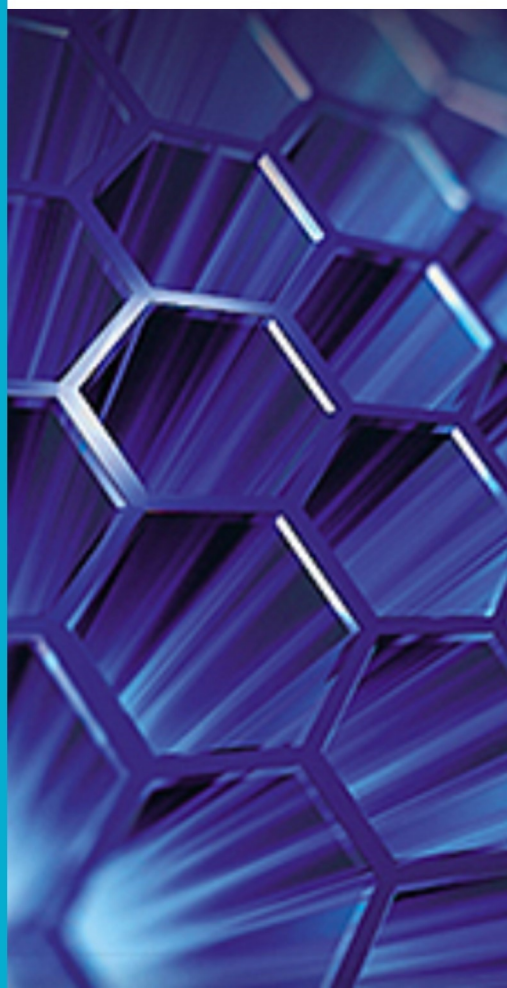
CENTRE FOR NANO AND SOFT MATTER SCIENCES [CeNS]

Department of Science and Technology, GoI

Address:
"Prof U R Rao Vijnan Bhavan," GKVK Campus, College of Horticulture Sciences Entrance, Major Sandeep Unnikrishnan Road, Opp. Doddabettahalli Layout Bus stop, Vidyaranyapura Post, Bengaluru- 560097
Phone:+91-80-29721549 ; 1550

Website: www.kstacademy.in; Email: ksta.gok@gmail.com

RSVP: +919845258894; +919880161509; +919008675123



KARNATAKA SCIENCE AND TECHNOLOGY ACADEMY [KSTA]

Karnataka Science and Technology Academy [KSTA] is an autonomous organization under the Department of Science and Technology, Govt. of Karnataka, which was established under the Chairmanship of distinguished Space Scientist Padma Vibhushan Late Prof. U R Rao, Former Chairman, ISRO/Secretary, DOS, GoI. Prof U R Rao chaired KSTA till August 2017, while Padmashree Late Dr. S K Shivakumar, Former Director, URSC, ISRO, Govt. of India chaired KSTA from August 2017 to March 2019. Eminent scientists, well-known educationists and senior administrators are members of KSTA, while Dr. H Honne Gowda, Special Secretary (Technical), DST / MD, KSTePS is the Member Secretary of KSTA.

CENTRE FOR NANO AND SOFT MATTER SCIENCES [CeNS]

The Centre for Nano and Soft Matter Sciences (CeNS) is an autonomous research institute under the Department of Science and Technology, Government of India, headed by Prof. G U Kulkarni. DST provides core support to the Centre in the form of a grant-in-aid for conducting basic and applied research in nano and soft matter sciences. The centre is engaged in materials research at all relevant length scales. Specifically, the current activities are focused on a variety of metal and semiconductor nanostructures, liquid crystals, gels, membranes and hybrid materials. It has close interactions with many Institutions and Industry in India and abroad.

ABOUT NANOTECHNOLOGY

Nanotechnology is an emerging sector, which can be considered as the technology of the 21st century. It gives us the ability to design and manipulate materials at the molecular level- atom by atom and thereby changes the way new products are manufactured. The first use of the concept of 'Nanotechnology' was in "There's Plenty of Room at the Bottom", a talk given by physicist Dr. Richard Feynman. Nanotechnology, no longer remain a theoretical science rather it has gained the status of applied science being used in multidisciplinary fields. Novel properties of nanomaterials are quite different from their bulk counter parts and hence they can be applied for developing low cost, environment friendly and efficient devices for various applications. Nanotechnology is an enabling platform technology for a wide range of applications, including: Chemical Industry, Semicondutors, Biotechnology, Pharmaceuticals, Cosmetics, Aerospace, Automotive, Defence, Textile, Consumer Products etc.

AIM OF THE WORKSHOP

The proposed PG workshop aims to introduce PG students to the fascinating world of nanoscience and nanotechnology through distinguised talks by eminent scientists and scholars as well as visit to nanotech labs at CeNS Campus.

PROGRAM SCHEDULE

DAY:1 [JANUARY 22, 2020 - WEDNESDAY]

10:00 - 10:45 | Inagural Function
10.45 - 12:00 | Lecture (I)
12:00 - 12:15 | Tea / Coffee Break
12:15 - 13:30 | Lecture (II)
13:30 - 14:15 | Lunch Break
14:15 - 15:30 | Lecture (III)
15:30 - 15:45 | Tea Break
15:45 - 17:00 | Lecture (IV)

DAY:2 [JANUARY 23, 2020 - THURSDAY]

10:15 - 11.30 | Lecture (V)
11.30 - 11.45 | Tea/Coffee Break
11.45 - 13:00 | Lecture (VI)
13:00 - 13:45 | Lunch Break
13:45 - 15:00 | Lecture (VII)
15:00 - 15:15 | Tea/Coffee Break
15:15 - 16:30 | Lecture (VIII)
16:45 - 17:45 | Written Quiz

DAY:2 [JANUARY 24, 2020 - FRIDAY]

10:45 - 12:00 | Visit to various labs in CeNS Campus
12:00 - 12:15 | Tea/Coffee Break
12:15 - 13:30 | Visit to various labs in CeNS Campus
13:30 - 14:15 | Lunch Break
14:15 - 16:00 | Visit to various labs in CeNS Campus
16:00 - 17:00 | Valedictory & Prize Distribution
17:00 Onwards | High Tea & Closure

APPLICATION PROCEDURE

Kindly visit our website www.kstacademy.in and find link given for online application (google forms), fill in the same and submit. Registration fee to be paid online to the account provided below and please do enter the transaction ID in the form.

Registration Fee: Rs. 300/-

Account Name: Karnataka Science and Technology Academy
Account No: 64001018807
IFSC Code: SBIN0009045
Bank: State Bank of India

Last Date for Registration: January 18, 2020

PARTICIPANTS

- Physics and Chemistry PG Students of various universities/Institution of Higher Learning. Each University can nominate a maximum of 10 interested PG Students [to be selected through written quiz or essay competition].
- TA and Accommodation for nominated PG Studnets will be provided by KSTA. Travel allowance [ordinary KSRTC bus or second class non-AC train fare] will be paid only on production of tickets.
- Participants shall produce nomination letter and ID proof at Guest House as well as in KSTA and CeNS
- Participants should report at right time for lecture session and compulsorily attend all the sessions of the workshop on all the three days and must obtain minimum 40% in the written quiz in order to avail certificate.

NOTE:
Only interested PG students who can attend all lecture sessions and visit to CeNS labs should be nominated.

COORDINATORS

Dr. A M Ramesh
Cheif Executive Officer
KSTA

Dr. Shankar Rao
Coordinator
Outreach Programmes & Seminars
CeNS