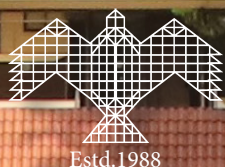


National Institute of Advanced Studies

Indian Institute of Science (IISc) Campus, Bengaluru



NIAS - DST Training Programme

For mid-career and senior scientist-administrators and technologists

Science & Technology: Global Developments and Perspectives

20 November – 01 December 2023

The National Institute of Advanced Studies (NIAS) has been organizing, with support from the Department of Science and Technology (DST), Government of India, training programmes to provide the orientation and planning skills required for scientists/technocrats of the country, and in particular, to offer perspectives on the broader scientific, technological, economic, social and cultural milieu in which the Indian scientific enterprise could flourish in this century. The current rapid pace of scientific and technological advances has far-reaching consequences for the future which requires their understanding and appreciation to derive benefits in cross-disciplinary areas. This calls for specialized training modules to apprise future managers and leaders in scientific community of the emerging developments. This training programme for mid-career and senior-level scientists, scientist-administrators and technologists (experience of 9 years & above) will focus on the theme **Science & Technology: Global Developments & Perspectives**. The Programme will be conducted during **20 November to 01 December 2023**. Consistent with the mission of NIAS, training programmes emphasize the development of leadership qualities through the integration of multidisciplinary knowledge.

About the Training Programme

The training programme includes several technical lecture sessions along with a two-day, weekend field trip. A

defining feature of lectures in our programmes includes interactive sessions with distinguished faculty drawn from different organisations and occupations. The general format of a session is a presentation for 60 minutes followed by discussions for 45 minutes (total 105 minutes). The participants would be encouraged to interact in-depth as much as possible with the speakers.

The programme will draw distinguished speakers from across the nation to address some of the following topics:

- ◆ Agriculture 4.0
- ◆ Automation, Robotics, and Artificial Intelligence
- ◆ Big Science: Rationale, Lure & Challenges
- ◆ Biology and Brain
- ◆ Environmental Degradation and Climate Change
- ◆ Global Science and Technology Partnerships for Human Well Being
- ◆ Global Science Ecosystem, and the North-South Divide
- ◆ ICT: Explosion & Centrality in Human Society
- ◆ Pharmaceuticals, Health & Medicine Technologies
- ◆ Philosophy of Science
- ◆ Science and Technology Policy in India
- ◆ Science from Below: Traditional Knowledge and Jugaad Technologies
- ◆ Defence Technologies
- ◆ Space Exploration, Technology and Applications



Detailed information about the lectures will be provided to the selected participants.

Infrastructure

Situated on five acres of land within the verdant campus of the Indian Institute of Science, the buildings of NIAS have a strikingly distinctive architecture with elegant lines and arched corridors. The fully furnished guest rooms make the visitors' and programme participants' stay a pleasant one. NIAS organizes a variety of programmes and public events. The campus of NIAS is often admired for its peaceful and green environs, an atmosphere conducive to research and exchange of knowledge.

The facilities of NIAS include JRD Tata Auditorium, Lecture Hall, Conference Halls, Guest Rooms, E-Class Room, Dining Hall and Green House for open air activities.

Since the programme is residential, NIAS will arrange boarding and lodging facilities. In view of this guideline, it is necessary that all the participants stay in the campus. The outstation participants will be received at the Bengaluru airport.

Nominations

For the training programme the Institute seeks nominations from the government organizations only, such as DST, DRDO, DAE, ISRO, ICMR, ICAR, CSIR, DSIR and Central/ State Universities. No participation fee is involved for attending this essentially residential programme. Only the travel expenses from Head Quarters to Bengaluru and back are to be met by the nominating organizations as stipulated by DST. Participation in this programme is limited to 25 based on a review and selection process as per the guidelines given by DST. The selection will follow the principle of gender equality, and women scientists are encouraged to apply. The nomination form duly certified and forwarded by the controlling authority/institution along with bio-data form may be sent by email to niasdst.gdp@nias.res.in or by post.

Contact:

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Last date for receiving nominations is

October 15, 2023