



THE NATIONAL ACADEMY OF SCIENCES, INDIA

(The Oldest Science Academy of India)

Cordially invites you to kindly attend the

95th Annual Session

and

Symposium on

**Healthy Brain, Mind and Cognition:
From Computers to Clinics**

December 08-10, 2025

Hosted by

**Indian Institute of Technology Guwahati
Assam, India – 781039**



NASI, Prayagraj



IIT Guwahati

NASI: A Brief Profile

The idea of establishing a forum for Indian scientists, which would help them on one platform to discuss and find scientific solutions to the problems of the country, was mooted by Prof. Meghnad Saha, a great scientist, visionary and the then Professor of Physics at the University of Allahabad. His views were published in an article titled 'A Plea for an Academy of Sciences' in December 1929 issue of the University of Allahabad magazine; in the very next year, The National Academy of Sciences, India was established as the first Science Academy of this country. Speaking in the inaugural session, Prof. Saha said:

"An Academy of Science can do a great deal by educating public opinion, undertaking particular problems, and bringing out scientific workers in various fields for discussion and cooperative research. But the main function of the Academy should be towards cultural improvement by contributions to human knowledge."

NASI got the **Science and Society** mandate from its founder. Presently, the programmes are being steered by the current **President of the Academy, Professor Vinod K. Singh; Padmashri and Former Founding Director, IISER Bhopal.**

NASI – envisions the cultivation and promotion of Science & Technology in all its branches through:

(a) promoting scientific and technological research related to the problems of societal welfare; (b) publication of proceedings, journals, memoirs, transactions and other works as may be considered desirable; (c) organizing meetings and holding discussions on scientific and technological problems; (d) undertaking the scientific works of technological or public importance, through properly constituted committees and bodies; (e) co-operating with other organizations in India and abroad, having similar objects, and to appoint representatives of the Academy to act on national and international bodies; (f) securing and managing funds and endowments for the promotion of science and technology; (g) organizing a Science Library; (h) performing all other acts, matters and things that may assist in, conduce to, or be necessary for the fulfilment of the above mentioned aims and objects of the Academy; (i) creating an adequate impact of the Academy all over the country, by opening Chapters of the Academy in other cities in the country, where reasonable number of Fellows and Members are available.

The Annual Sessions of NASI have always been a platform for the convergence of brilliant minds and the exchange of groundbreaking ideas. Each year, alongside the core events, a Symposium is organized on a contemporary topic that bridges the gap between science and society. In the recent past such sessions were held at Allahabad, Pune, Shillong, Ahmedabad, Jaipur, Pondicherry, Mumbai, Mysore, Chandigarh, Kolkata, Jaipur, Trivandrum, Varanasi, Goa, Jodhpur, Bhubaneswar, Dehradun, Chitrakoot, Hyderabad, Mumbai, Bhopal etc.

The 95th Annual Session of NASI will be held on December 08-10, 2025 at IIT Guwahati, along with a Symposium on "Healthy Brain, Mind and Cognition: From Computers to Clinics"

Symposium on “Healthy Brain, Mind and Cognition: From Computers to Clinics”

The Symposium will not only highlight the significance of brain health in overall human development, as it impacts learning, productivity, mental resilience, and quality of life, but will also explore how advances in neuroscience, artificial intelligence, and clinical interventions are contributing to a deeper understanding of brain function and cognition along with Computer Science.

The Symposium organization flow:

From: Brain Structure to → Brain Function to → Brain Dysfunction to → Brain Therapeutics to → Brain Physical Systems (BMI / Neuromorphic Computing)

During the session, the following key points will be discussed:

- Brain Structure to Function
- Brain Function & Dysfunction
- Brain Wellness & Therapeutics
- Brain Physical Systems (BMI/Neuromorphic Computing)

The Host – Indian Institute of Technology Guwahati (IITG)

Indian Institute of Technology Guwahati, the sixth member of the IIT fraternity, was established in The Indian Institute of Technology Guwahati (IITG), one of India’s leading institutions of higher education and research, is proud to host the 95th Annual Session and Symposium of The National Academy of Sciences, India (NASI). Established in 1994, IITG has grown into a nationally and internationally recognized centre of excellence, known for its contributions to teaching, research, and innovation. The Institute comprises eleven departments, seven inter-disciplinary academic centres, and five schools, covering a wide spectrum of disciplines including engineering, science, healthcare, management, and the humanities. It offers a comprehensive range of academic programmes such as B.Tech., B.Des., B.Sc. (Hons), M.Tech., M.Des., M.Sc., MBA, M.A., and Ph.D. Situated on a sprawling 285-hectare campus along the majestic Brahmaputra River, IIT Guwahati is renowned for being one of the most beautiful academic campuses in India. Nestled amidst lush hills and expansive green spaces, the campus offers breathtaking natural scenery that creates an inspiring and tranquil environment for learning and research. With its harmonious blend of modern architecture and serene landscapes, IIT Guwahati provides an ideal setting that nurtures creativity, innovation, and academic excellence. It houses state-of-the-art infrastructure, including advanced laboratories, research centres, India’s first research park in the Northeast, and the Param Ishan supercomputer—one of the most powerful computing facilities in the country—supporting cutting-edge, high- impact research across disciplines. As a vital gateway to the Northeastern region of India, IITG has significantly contributed to meeting the academic and developmental aspirations of this culturally rich and diverse area. The Institute’s excellence has been recognized globally and nationally. It ranked 364 in the QS World University Rankings 2024, and 32nd globally in the ‘Research Citations per Faculty’ category. Domestically, it was ranked 7th among engineering institutions in the NIRF Rankings 2023 by the Ministry of Education. Hosting this prestigious NASI session reflects IIT Guwahati’s broader mission—to serve as a hub for impactful research, interdisciplinary dialogue, and innovation that addresses critical scientific and societal challenges.

THE NATIONAL ACADEMY OF SCIENCES, INDIA (NASI)

Prof. Daya Shankar Pandey

FNASc, FNA, FASc

Prof. Jayesh R. Bellare

FNASc, FNAE, FEMSI, FMAS

General Secretaries



5, Lajpatrai Road,
Prayagraj – 211 002, India
Website: www.nasi.org.in

Dear Sir/Madam,

We are happy to inform you that the 95th Annual Session of the National Academy of Sciences, India and Symposium on **"Healthy Brain, Mind and Cognition: From Computers to Clinics"** will be held during December 8-10, 2025 at the **Indian Institute of Technology Guwahati (IITG), Assam.**

Symposium

A Symposium on **"Healthy Brain, Mind and Cognition: From Computers to Clinics"** will be held during the Annual Session.

- **Convener: Prof. Ashok Misra**, Former Director, IIT Bombay and Past President, NASI
- **Co-Conveners: Prof. Jayesh R. Bellare**, IIT Bombay and **Prof. Venkatasubramanian Ganesan**, NIMHANS Bangalore
- **Local Organizing Secretary: Prof. Latha Rangan**, Dept. of Biosciences and Bioengineering, IIT Guwahati

Scientific Sections

The Scientific Sessions will be held in two sections:

Physical Sciences Section:

- Sectional President: **Prof. Annapurni Subramaniam**, Director, Indian Institute of Astrophysics, Bangalore

Biological Sciences Section:

- Sectional President: **Prof. Sanjeev Misra**, Vice-Chancellor, Atal Bihari Vajpayee Medical College, Lucknow

The scientific papers are presented by the selected researchers/scientists, in the scientific sessions; for which prior submission of the Abstracts / Papers is necessary.

Call for Abstracts/Papers

Researchers are invited to submit abstracts (max. 250 words) **along with** full-length papers **for presentation in the respective Scientific Sessions.**

– **Submission Deadline:** 03rd October, 2025

– **Submission Email:** 95annualsession@nasi.ac.in

– **Postal Address (Optional- in case of hard copy submission):** Executive Secretary, NASI, 5 Lajpatrai Road, Prayagraj – 211002

Note: Each author may submit up to three papers, including co-authored submissions.

Bonafide research scholars are required to get their research papers forwarded by the Supervisor and the Head of the Department/Institution. All papers submitted for presentation will be screened. Authors whose papers are accepted will be informed about the mode of presentation (Oral or Poster) at the earliest. The decision of the Academy would be final for the mode of presentation.

The Academy would pay, on production of original copy of railway tickets (Maximum AC 3A) rail fare, by shortest route (both ways) only, to the author who would present the paper provided his/her travel has not been subsidized by any other agency.

Registration Details for participation in 95th Annual Session (also available on NASI website <www.nasi.org.in>):

- **Last Date for Registration: 03rd October 2025**
- **Registration portal/google form:** <https://forms.gle/WPBxSzYn4iGrrUQq9>
- **Registration & Sessional Membership Fee:** Rs.500/-

Fellows and Members of the Academy are exempt from the Registration/Sessional Membership fee; but must register via Registration Portal/google form at <<https://forms.gle/WPBxSzYn4iGrrUQq9>> by **03rd October 2025**.

Details of Payment for Registration/Sessional Membership:

(Payment preferred by internet banking. Cheque/bank drafts also accepted)

- Name of Account: The National Academy of Sciences, India
- Account No.: 70020100014282
- Account Type: Savings Bank Account
- IFS Code: BARB0VJBELI (Fifth Character is ZERO)
- Branch Code: Last six characters of IFSC Code represent Branch code.
- Bank Name: Bank of Baroda
- Bank Address: Beli Road, Katra, Prayagraj 211002
- Confirmation Email: ao@nasi.ac.in

Note: The detailed programme, accommodation options (charges etc.) and local arrangements will be notified in the Second Circular by the end of October 2025.

Privileges

Fellows and Members of the Academy and Sessional Members are entitled to attend the Session and other activities, submit papers for presentation in the Scientific Sessions, and receive related materials circulated during the Session.

Publication of Papers in the NASI's Journal

NASI encourages papers presented at the Annual Session also be submitted for consideration for publication in the NASI journals, viz. Proceedings of the National Academy of Sciences, India/National Academy Science Letters, it must be submitted online (for details please see the website of the Academy), as per prescribed procedure of submission. These papers will undergo the usual processing and refereeing as per rules of the Academy. **Papers sent for the Session will not be automatically considered for publication in the journals of NASI.**

Signing of the Fellow's Register

The Fellows who have not signed the Fellow's register so far can sign the register in the Fellow's meeting, to be held during the 95th Annual Session.

We once again extend a very cordial invitation to you to participate in the **95th Annual Session of The National Academy of Sciences, India (NASI) and Symposium on 'Healthy Brain, Mind and Cognition: From Computers to Clinics'** to be held during **December 8-10, 2025** at IIT Guwahati, Assam.

Yours truly

Prof. D S Pandey
Prof. Jayesh R Bellare
General Secretaries,
NASI, Prayagraj

For further information, please contact:

Phone: 0532-2640224
Email: 95annualsession@nasi.ac.in
Website: www.nasi.org.in