



Indian National Academy of Engineering

What is INAE?

- Comprises India's most distinguished engineering professionals from academia, industry, R&D organizations and strategic sectors covering the entire spectrum of engineering disciplines.
- INAE brings together specialists from relevant inter-disciplinary engineering fields for comprehensive solutions for overall societal benefit and self-reliance of the country.
- Founded with an objective to provide leadership in creating appropriate policy for national benefit & professional interest, launching new initiatives, forecasting futuristic technologies, realizing advanced engineering practices, guiding engineering education and training, and mentoring engineering institutions and industry.

When was INAE founded?

- Established on April 20, 1987 as a Society under the Societies Registration Act, 1860.
- Formally inaugurated on April 11, 1988 at New Delhi by the then Prime Minister.
- The Academy is an autonomous professional body located at Technology Bhawan, New Delhi

VISION:

To be the premier Engineering Academy of the world providing timely inputs to the national and international policy makers and to extend appropriate assistance in developing engineered solutions for challenging problems facing contemporary societies and the humanity as a whole.

MISSION:

To serve professionals in building and institutionalizing engineering and technological excellence in education, research and industry in India and support advancement of the engineering profession globally.



Distinguished Panel Discussion on New Education Policy 2020

System of Governance:

- INAE's Governing Council consists of
- 27 Members, chaired by President, INAE and includes the Immediate Past-President, Vice-Presidents, Representatives from DST, MoE, DoS, DAE, DRDO, AICTE, INSA, CII, NASSCOM & distinguished Fellows.
- There are 10 Engineering Sections and each has a Sectional Committee headed by a Convener.

Presidents of INAE:



Prof. Jai Krishna
Founder President
20 Apr 1987 - 12 Oct 1991



Dr. VS Arunachalam
12 Oct 1991 - 09 July 1992



Dr. S. Varaadarajan
09 July 1992 - 20 May 1995



Dr. APJ Abdul Kalam
20 May 1995 - 31 Dec 1996



Prof. PV Indiresan
01 Jan 1997 - 31 Dec 1998



Dr. Anil Kakodkar
01 Jan 1999 - 31 Dec 2000



Prof. P. Rama Rao
01 Jan 2001 - 31 Dec 2002



Dr. A. Ramakrishna
1 Jan 2003 - 31 Dec 2004



Dr. K. Kasturirangan
1 Jan 2005 - 31 Dec 2006



Dr. P. S. Goel
01 Jan 2007 - 31 Dec 2010



Dr. Baldev Raj
01 Jan 2011 - 31 Dec 2014



Dr. BN Suresh
01 Jan 2015 - 31 Dec 2018



Dr. Sanak Mishra
01 Jan 2019 - 31 Dec 2020



Prof. Indranil Manna
01 Jan 2021 - 31 Dec 2024



Mr. Jayant D. Patil
01 Jan 2025

INAE Governing Council:



Mr. Jayant D. Patil
President



Prof. Indranil Manna
Immediate Past President



Prof. UB Desai
Vice-President



Prof. Santanu Chaudhury
Vice-President



Prof. Sivaji Chakravorti
Vice-President



Mr. Pradeep Chaturvedi
Vice-President



Prof. Amit Agrawal
Vice-President



Mr. T. Suvarna Raju
Vice-President



Mr. VN Heggade
Engg Section-I



Dr. Manish Gupta
Engg Section-II



Prof. Suhas S. Joshi
Engg Section-III



Prof. G. D. Yadav
Engg Section-IV



Dr. Archana Sharma
Engg Section-V



Dr. Alok Nath De
Engg Section-VI



Mr. JJ Jadhav
Engg Section-VII



Prof. Amlan J. Pal
Engg Section-VIII



Dr. Ajay Mathur
Engg Section-IX



Prof. T. Pradeep
Engg Section-X



Prof. Sandeep Verma
Rep-DST



Prof. Manoj Kumar Tiwari
Rep - MHRD



Dr. V. Narayanan
Rep - DOS



Prof. (Dr.) TG Sitharam
Rep - AICTE



Prof. Anurag Sharma
Rep - INSA



Dr. K. Rajalakshmi Menon
Rep - DRDO



Mr. Ranajit Kumar
Rep - DAE



Dr. Ashish Mohan
Rep - CII



Mr. Siva Prasad Polimetta
Rep - NASSCOM

Three-tier Interaction with Engineering Community:

- Tier I: Fellows/Foreign Fellows: Eminent engineers & technologists are elected as Fellows/ Foreign Fellows;
- Tier II: Institutional, Corporate and Individual Members & Young Associates
- Tier III: Student -Members- Winners of competitions for engineering students.

International Cooperation:

- As the only engineering Academy of the country, INAE represents India at CAETS since 1999; a premier non-government international organization comprising of 33 Member Academies contributing to the advancement of engineering and technological sciences to promote sustainable economic growth.
- INAE conducts joint activities with a few Member Academies to leverage the knowledge resources and deliberate on state-of-art technologies in niche areas.

- INAE has been conducting a series of workshops with National Academy of Engineering Korea (NAEK) on topics of mutual engineering interest. The 7th INAE-NAEK Workshop on "Current Status and Cooperation Plan of the Satellites for Observing the Earth" was held online in August 2024.

- INAE also conducted a Royal Academy of Engineering, UK (RAEnG)- INAE Seminar as part of Bilateral Policy Exchange on "Green Hydrogen" in Pune in 2024



Group Photo of Delegates in CAETS 2015 Event hosted by INAE

Joint Activities of INAE with ANRF (erstwhile SERB- DST) and DST

- Abdul Kalam Technology Innovation National Fellowship
- Collaborative Initiative in Engineering:
 - Conclaves on Atmanirbhar Technologies
 - Woman Engineers Program
 - Outreach Programs for NE, J&K and Ladakh
 - Innovation Hackathon
- Online & Digital Gaming Research Initiative.
- Indo-Taiwan Program of Co-operation in Science & Technology funded by DST
- Women's International Grant Support (WINGS) funded by DST
- Vaishvik Bharatiya Vaigyanik (VAIBHAV) Fellowship funded by DST

Engagement with Senior Engineers:

- Consultative Committees:** To align the activities of the Academy with the thrust areas of the Government of India in the policy domain, Joint Consultative Committees have been constituted with DST, DRDO, DAE, ISRO, CSIR and AICTE.
- Engineers Conclave:** Organized since 2013 jointly with major engineering institutions/organizations/strategic departments to deliberate on problems of National importance & generate engineering solutions to pertinent issues. Actionable recommendations emanated are forwarded to concerned Government Departments for consideration.
- Foundation Day Celebrations:** INAE was founded on 20th April, 1987 to promote excellence in Engineering and Technology (E&T) in the country and celebrates this landmark as its Foundation Day each year to rededicate itself to the professed goals.

- Annual Convention of INAE** is organized every year, during the month of December as one of its Flagship events. The newly elected Fellows, Foreign Fellows & Young Associates are inducted.
- Abdul Kalam Technology Innovation National Fellowship:** Instituted in the year 2017 to recognize and support translational research in engineering & technology development

Engagement with Middle Level Engineers:

- INAE Young Associates:** The Academy endeavours to involve the Young Associates in all engineering activities and programs of INAE.
- National Frontiers of Engineering Symposium:** Brings together outstanding engineers between 30 and 45 years of age, from industry, Academia and R&D Labs to discuss leading-edge research and technical work across a range of engineering fields.

Engagement with Engineering Students:

- Youth Conclave:** INAE Youth Forum established in the year 2017 to engage the engineering students in activities of INAE. The Youth Conclave is an annual event wherein competitions are organized for engineering students with interactive sessions with INAE Fellows.



Release of INAE Compendiums on National Science Day 2023

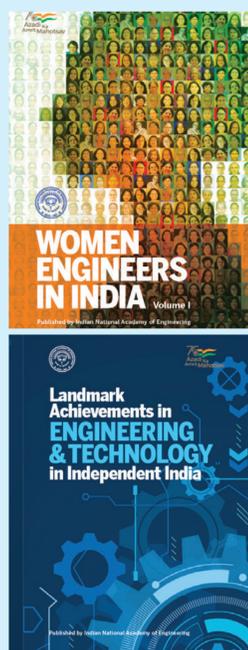
- Mentoring of Engineering Students:** 3rd /4th year B.E./B.Tech students are mentored by INAE Fellows and Young Associates to provide them guidance so as to excel further in their field of study.
- A National Competition on Innovation in Manufacturing Practices:** Organized for engineering students and start-ups to showcase innovations in manufacturing sector.

Important Highlights:

- INAE Digital Platform:** Created to facilitate INAE Fellows submitting nominations online for Fellowship and schemes. INAE Webinar Series launched in the year 2020 on topics encompassing engineering and technology.
- Transactions of INAE:** An International Journal of Engineering and Technology is published as a full-fledged journal since 2020 to include full Research Papers and Review Articles besides short communications.
- Compendiums released during National Science Day:** As part of Azadi Ka Amrit Mahotsav celebrations, INAE prepared two Compendiums on "Landmark Achievements in Engineering & Technology in Independent India" and "Women Engineers in India-Vol 1" featuring 75 eminent women engineers of India which were released by Hon'ble Minister of State (Independent charge) for S&T, Dr Jitendra Singh on the occasion of National Science Day 2023.



Shri Rajnath Singh, Hon'ble Raksha Mantri inaugurating INAE Annual Convention 2024



Centre for Engineering Education Excellence (CEE) Program

Funded by Infosys Foundation through CSR, this initiative in collaboration with prestigious engineering education institutions focuses on upskilling educators to enhance teaching pedagogy. It covers five domains:

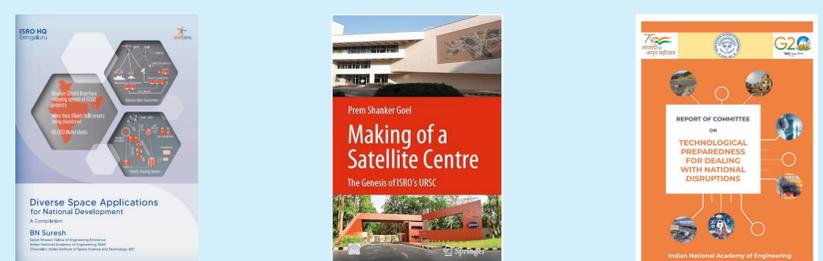
- Computer Science & IT (incl. Data Science & AI/ML)
- Electrical, Electronics & Instrumentation
- Mechanical, Aerospace & Energy
- Materials, Chemical & Biomedical Engineering
- Civil & Environmental Engineering

Conducted in hybrid mode, it includes mentorship from domain experts, with honorariums for mentors and stipends for mentees.

INAE's Path to Self-Reliance:

In response to Government directives, the Academy had embarked on a journey of self-sufficiency and financial autonomy and has achieved major milestones, so that INAE shall thrive and continue its activities related to promoting the growth of engineering and technology and engineering education in line with its noble objectives.

Few of the INAE Publications



INAE Memberships

INAE offers Institutional, Corporate, and Individual memberships to embrace wider participation of engineering community under its umbrella.

- Institutional Membership :** For academic and research organizations in Engineering & Technology (E&T).
- Corporate Membership :** Open to industries and corporate houses.
- Individual Membership:** For top engineering professionals from industry, academia, and R&D. Open to Indian Nationals (students/professionals in India or on overseas deputation).



Institutional Membership



Individual Membership



Corporate Membership