



Indian National Academy of Engineering

Ground Floor, Block-II, Technology Bhavan, New Mehrauli Road, New Delhi 110016 (India)

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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.
- Partly supported through grant-in-aid by the DST, Ministry of S&T, since 1995 as an Autonomous Professional Body.

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.

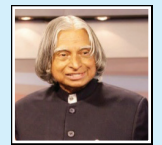
MISSION:

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.

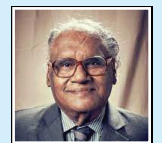
Presidents of INAE:



Some Eminent Fellows of INAE:



Dr APJ Abdul Kalam, FNAE
Former Director, IISc Bengaluru
President INAE 1995-96
Bharat Ratna



Prof CNR Rao, FNAE
Former Director, IISc Bengaluru
Bharat Ratna

System of Governance:

- INAE's Governing Council consists of 26 Members, chaired by President, INAE and includes the Immediate Past-President, Vice-Presidents, Representatives from DST, MoE, DoS, DAE, DRDO, AICTE, INSA, CII, FICCI & distinguished Fellows.
- There are 10 Sectional Committees for each Engineering Section headed by a Convener.

Three-tier Interaction with Engineering Community:

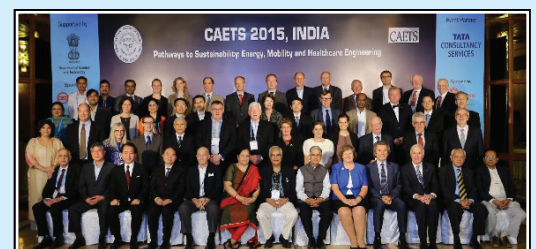
- Tier I: Fellows/Foreign Fellows: Eminent engineers & technologists are elected as Fellows/ Foreign Fellows;
- Tier II: Institutional, Corporate and Individual Members & Young Associates
- Tier III: Student-Members – Winners of competitions for engineering students.

International Cooperation:

- As the only engineering Academy of the country, INAE represents India at CAETS since 1999; a premier non-govt international organization comprising of 31 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.



Distinguished Panel Discussion on New Education Policy 2020



Group Photo of Delegates in CAETS 2015 Event hosted by INAE

Joint Activities of INAE & SERB (DST)

- INAE-SERB (DST) Abdul Kalam Technology Innovation National Fellowship
- SERB-INAЕ Collaborative Initiative in Engineering:
 - SERB-INAЕ Conclaves on Atmanirbhar Technologies
 - SERB-INAЕ Woman Engineers Program
 - SERB-INAЕ Outreach Programs for NE, J&K and Ladakh
 - SERB-INAЕ Innovation Hackathon
- SERB-INAЕ Online & Digital Gaming Research Initiative
- Indo-Taiwan Program of Co-operation in Science & Technology, funded by DST
- The Women’s International Grant Support (WINGS) 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, AICTE and SERB.
- **INAЕ Forums:** Constituted on Energy; Technology Foresight & Management; Engineering Interventions for Disaster Mitigation; Indian Landscape of

Advanced Structural Materials & Civil Infrastructure to assist in formulating policies on critical technical issues.

- **INAЕ Expert Groups:** Launched in the year 2020 to develop comprehensive engg/technology roadmaps with actionable recommendations on selected engineering themes to help formulate policy/strategy for implementation.
- **Nurturing Frugal Innovation:** INAE Frugal Innovation Nurturing Program was instituted to promote frugal innovation in the country.
- **Engineers Conclave:** Organized since 2013 jointly with major engineering establishments to deliberate on problems of National importance & generate engineering solutions to pertinent issues. Actionable recommendations emanated are forwarded to concerned Government Departments for consideration.
- **INAЕ-SERB (DST) 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:

- **INAЕ 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.
- **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:

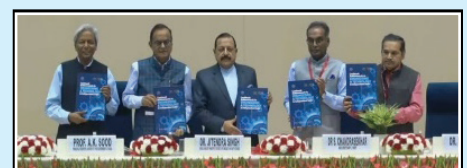
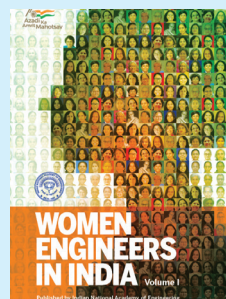
- **INAЕ Digital Platform:** Created to facilitate INAE Fellows submitting nominations online for Fellowship and schemes. INAE Webinar Series launched in the year 2020 on topics encompassing engg and technology.
- **Transactions of INAE:** An International Journal of Engineering and Technology is a full-fledged 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 Engg & 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.



First Selections under INAE-SERB (DST) Abdul Kalam Technology Innovation National Fellowship felicitated by erstwhile Hon’ble President of India, Shri Ram Nath Kovind



Shri Rajnath Singh, Hon’ble Raksha Mantri inaugurating INAE Engineers Conclave 2019



Release of INAE Compendiums on National Science Day 2023