**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, Mr. Rajiv Gandhi in presence of Shri PV Narasimha Rao (PM of India 1991-96) & Shri KR Narayanan (President of India 1997-2002).
- 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.

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**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: Young Associates – All INAE Young Engineers below 35 years of age who continue till 45 years of age.
- 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.

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**Distinguished Panel Discussion on New Education Policy 2020**

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**Group photo of Delegates in CAETS 2015 event hosted by INAE**
Joint Activities with SERB, DST:
- INAE-SERB Abdul Kalam Technology Innovation National Fellowships.
- INAE-SERB Collaborative Initiative in Engineering:
  - SERB-INAE Conclaves on Atmanirbhar Technologies
  - SERB-INAE Woman Engineers Program
  - SERB-INAE Outreach Programs for NE, J&K and Ladakh
  - SERB-INAE Innovation Hackathon
- SERB-INAE Digital Gaming Research Initiative.

Engagement with Senior Engineers:
- Abdul Kalam Technology Innovation National Fellowships - Instituted in the year 2017 to recognize and support translational research in engineering & technology development.
- Promoting Engineering Education:
  - Distinguished Panel Discussion on "Opportunities and Challenges of Implementation of National Education Policy 2020 for Engineering Disciplines & Profession" held on April 20, 2022 to formulate actionable recommendations for implementation of NEP 2020
- 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.
- INAE 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.
- INAE 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.
- 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 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.
- Report on "Technological Preparedness for dealing with National Disruptions" prepared by domain specialists to identify the gaps and recommend areas for scientific research and technology solutions.

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.
- INAE-NIT Calicut Online Exposition of innovations in Indian Start-ups held in 2022, as an online contest to showcase the innovative Indian Start-ups in the country.

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 is organized for engineering students and start-ups to showcase innovations in manufacturing sector.