



# 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 interdisciplinary 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.
- Is a Professional Body Co-located at Technology Bhavan, 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.

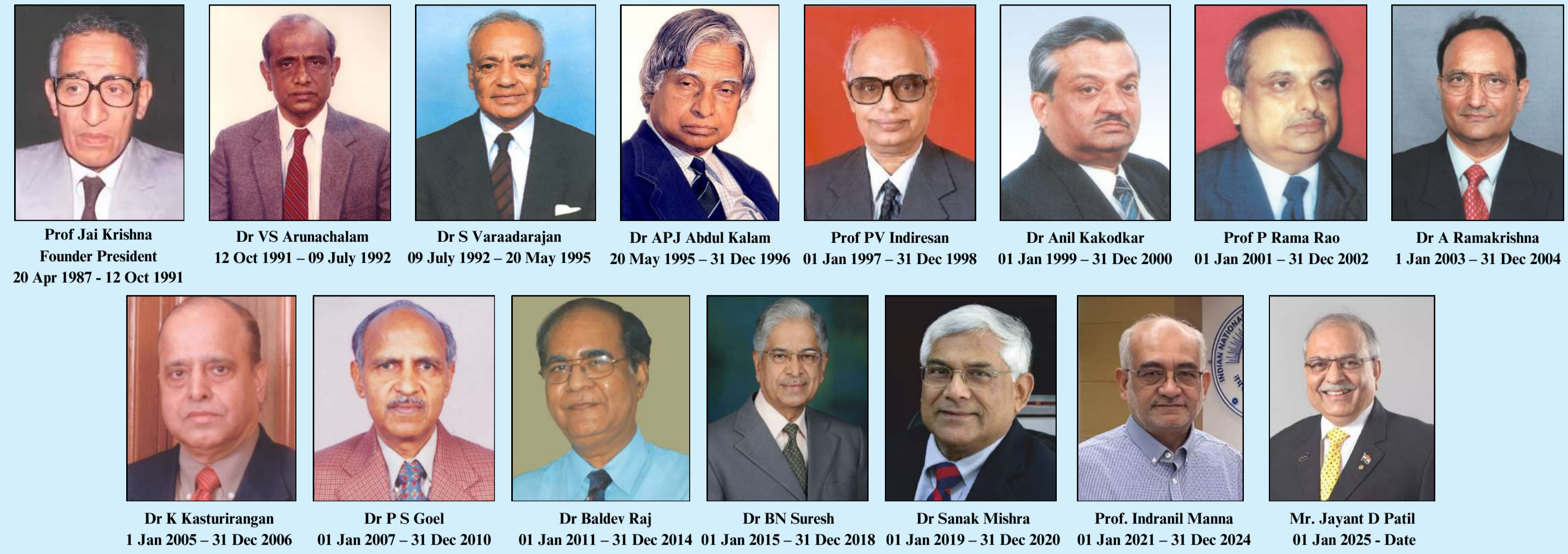


Distinguished Panel Discussion on New Education Policy 2020

## System of Governance:

- INAE's Governing Council consists of 28 Members, chaired by President, INAE and includes the Immediate Former-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:



## INAE Governing Council:



Bharat Ratna



Dr. APJ Abdul Kalam, FNAE President of India 2002-07 President INAE 1995-96

Bharat Ratna



Prof. CNR Rao, FNAE Former Director, IISc Bengaluru

## 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 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.

- INAE has been conducting a series of workshops with National Academy of Engineering Korea (NAEK) on topics of mutual engineering interest. The 8<sup>th</sup> INAE-NAEK Workshop on "Driving Innovation Together: AI and Semiconductors for a Smarter Future" was held online in August 2025.

- 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



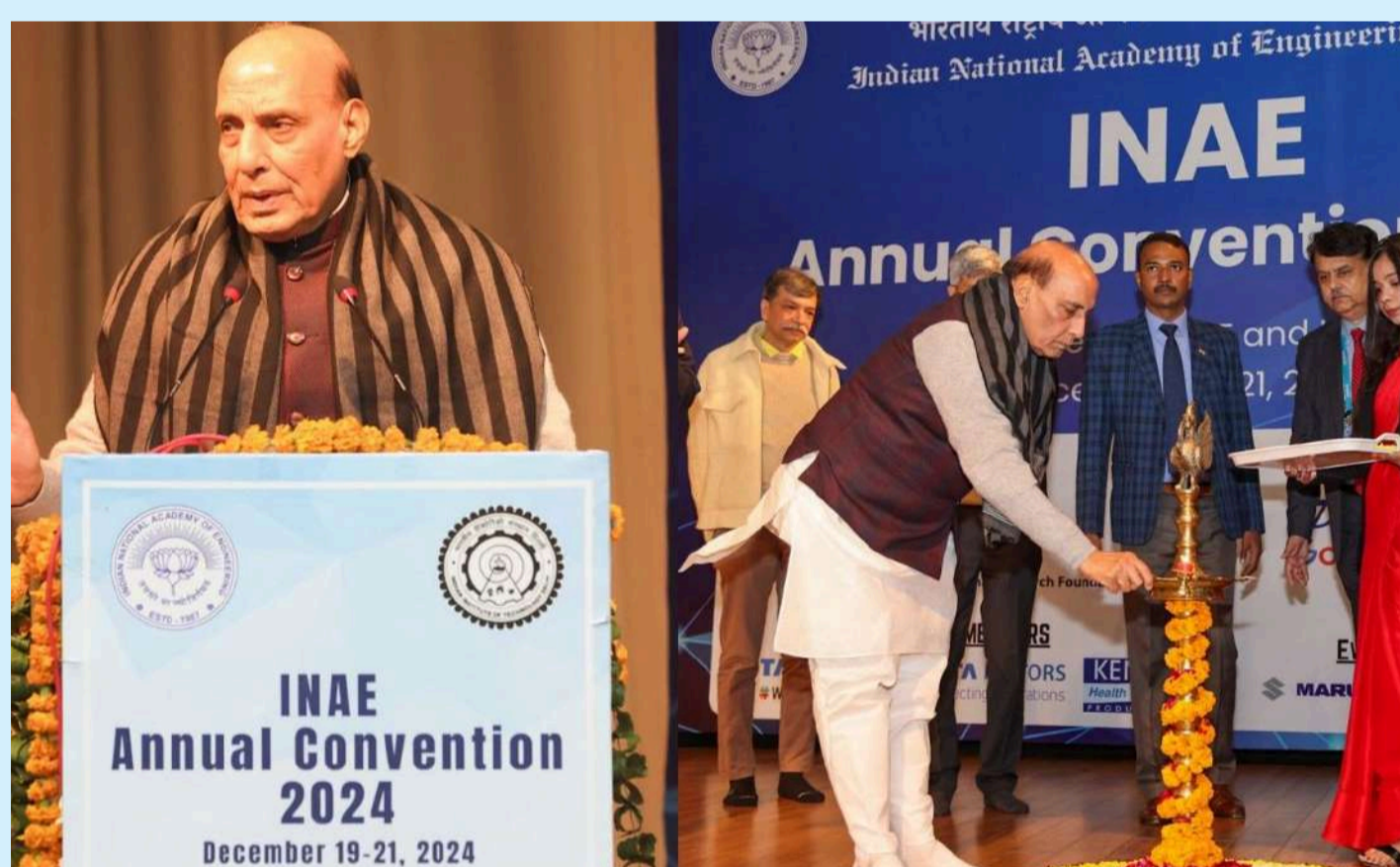
Group Photo of Delegates in CAETS 2015 Event hosted by INAE

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

- Abdul Kalam Technology Innovation National Fellowship
- Online & Digital Gaming Research Initiative.
- Indo-Taiwan Program of Co-operation in Science & Technology 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.



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

- **Abdul Kalam Technology Innovation National Fellowship:** Instituted in the year 2017 to recognize and support translational research in engineering & technology development

### 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**

### 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.
- **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.

### Centre for Engineering Education Excellence (CEEE) 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

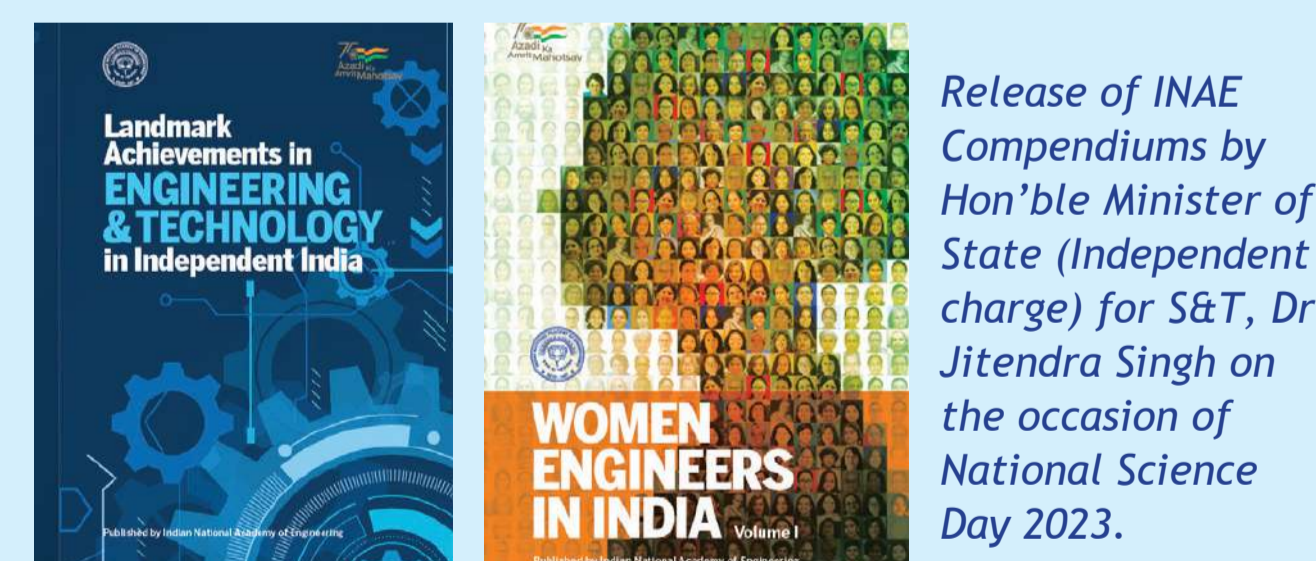
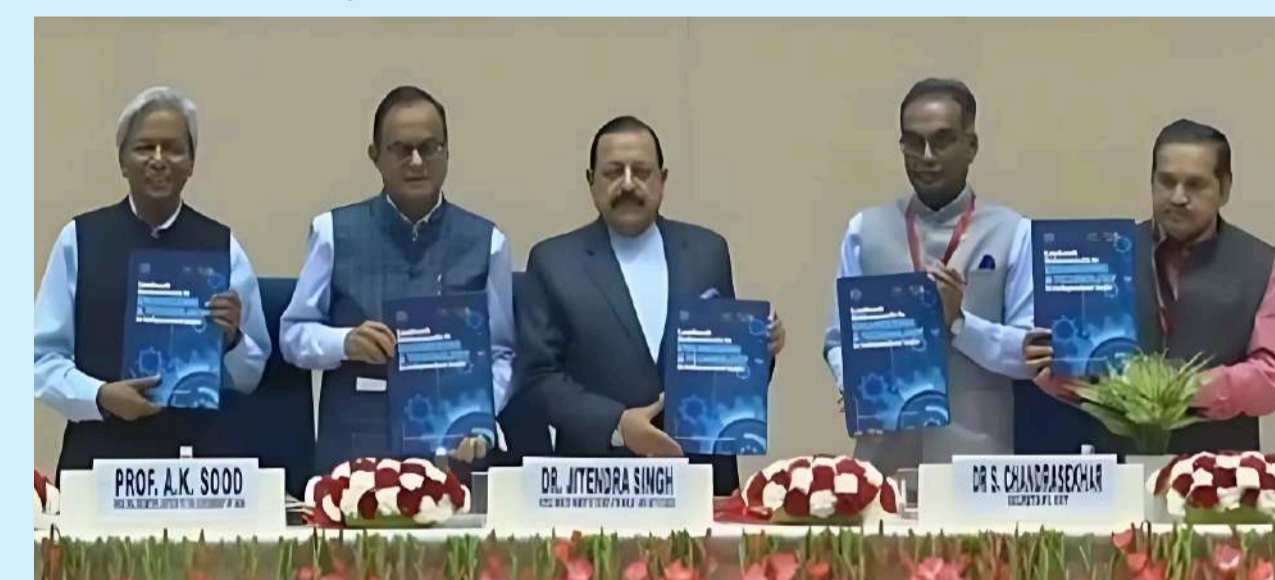
Conducted in hybrid mode, it includes mentorship from domain experts, with honorariums for mentors and stipends for mentees.



Snippets of CEEE Inaugural Function held on 5<sup>th</sup> June 2025

### Important Highlights:

- **Engineering Excellence Awards:** To promote engineering excellence and recognize contributions across the spectrum of the engineering community, engineering excellence awards are conferred covering all major engineering disciplines & specializations.
- INAE Life Time Contribution Award in Engineering
- INAE Professor Jai Krishna and Professor SN Mitra Memorial Awards
- INAE Outstanding Teachers Award
- INAE Woman Engineer of the Year Award
- INAE Young Innovator & Entrepreneur Award
- INAE Young Engineer Award
- Innovative Student Projects Award
- **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.
- **INAE TechFrontier:** A quarterly e-magazine-INAE TechFrontier launched in 2025 to showcase achievements in innovative engineering research and state-of-the-art technologies by Fellows, Young Associates, R&D organizations, strategic laboratories, and industry leaders.
- **Compendiums released during National Science Day:** As part of Azadi Ka Amrit Mahotsav celebrations, INAE Compendiums on "Landmark Achievements in Engineering & Technology in Independent India" and "Women Engineers in India-Vol 1" were released by Hon'ble Minister of State (Independent charge) for S&T, Dr Jitendra Singh on the occasion of National Science Day 2023.



Release of INAE Compendiums by Hon'ble Minister of State (Independent charge) for S&T, Dr Jitendra Singh on the occasion of National Science Day 2023.

### Some INAE Publications

