

INDIAN NATIONAL ACADEMY OF ENGINEERING

Nomination Form for Election of Foreign Fellows

NOTES FOR GUIDANCE

- This Form must be complete and type-written in the third person and/or computer print-outs pasted within the space provided under each head.
- Each Nominee shall be proposed preferably by **two Fellows of the same discipline**.
- The Nominee should meet all requirements in his/her own country equivalent to those for election of an Indian Fellow and his/her engineering achievements are recognised nationally and internationally.
- The Nominee should have acquired **Fellowship of an Engineering Academy in his/her own country where such Academies similar to INAE exist**.
- The Nominee's record and interests should clearly demonstrate his/her **contribution to the development of Indian Engineering and Technology as in para 10 of the Form**.
- The nomination should clearly mention** only one specific sectional committee, as listed below, to which the nominee should be referred.
- The nomination form complete in all respects should be sent by **registered post/ courier/ speed post to the Executive Secretary, Indian National Academy of Engineering, 6th Floor, Vishwakarma Bhawan, IIT Campus, Shaheed Jeet Singh Marg, New Delhi 110016**.
- Canvassing/lobbying for election to the Fellowship may lead to disqualification.

We propose the name of :

.....
(In block letters as used for correspondence)
 for election as a Foreign Fellow of the Academy

Please indicate whether your proposal is based on :		Proposers <i>(Tick as applicable)</i>	
Personal knowledge of the nominee		1 <input type="checkbox"/>	2 <input type="checkbox"/>
PROPOSERS 1. Name Date _____ Signature _____	Brief Remarks 		
2. Name Date _____ Signature _____			

Engg Section I - (Civil Engineering)

- Structural Engineering
- Construction Engineering
- Water Resources Engineering/ Hydrology/ Hydrodynamics/ Irrigation & Drainage Engineering/Coastal Engineering/ Ocean Structures/Port & Harbour Engineering
- Earthquake Engineering, Wind Engineering and Flood Control
- Geotechnical Engineering
- Transportation Engineering including Railways
- Architecture & Planning
- Surveying including Remote Sensing & other Techniques
- Agricultural Engineering
- Environmental Engineering

Engg Section II - (Computer Engineering and Information Technology)

- Computer Software & Hardware including Algorithms and Data Structures, Programming Methodology and Languages, Database Systems, Parallel Processing, Operating Systems
- Artificial Intelligence & Soft Computing including Neural Networks, Genetic Algorithm & Quantum Computing
- Speech and Language Recognition
- Computer Vision, Image Processing and Pattern Recognition
- Automata Theory & applications

Engg Section III - (Mechanical Engineering)

- Manufacturing and Forming Technologies including Advanced Processing Methods, Production Engineering, Industrial Engineering, Precision Engineering, Foundry and Casting Technology, Welding and Joining, Metrology, Machining
- Thermal Science and Engineering including Thermo-dynamics, Combustion, Heat Transfer, Air-Conditioning & Climatic Control
- Design and Analysis of Solid, Thermal and Fluid Mechanical Systems (Machines, Structures and Devices) including Kinematics, Mechatronics & Robotics, Micro-Mechanical Systems (MEMS), Tribology
- Automobile Engineering, Naval Architecture & Marine Engineering
- Vibration Engineering, Acoustics and Noise
- Prime Movers
- Experimental and Computational Stress Analysis for Solids & Fluids
- CAD/CAM, CIM

Engg Section IV - (Chemical Engineering)

- Product/Process Development and Manufacturing practices
- Unit Operations and Processes, Heat/Mass Transfer and Transport Phenomena, Process Control & automation, Process Modelling & Simulation, Reaction Engineering and Catalysis, Microfluid and Fluid Dynamics, Property Evaluation, Chemical and Process Safety Analysis
- Corrosion, Electrochemical Engineering
- Chemical Technology including Oils, Paper, Petroleum, Leather, Pharmaceuticals, Textiles, Ceramics, Cement and allied fields
- Environmental Engineering of Chemical Systems
- Materials, Devices & Nanotechnology for Chemical Processes and Products

Engg Section V (Electrical Engineering)

- Power Systems including Generation, Transmission, Distribution and Control
- Electrical - Machines and Devices
- Power Electronics, Drives & Control Systems
- High Voltage & Insulation Engineering
- Electrical Energy Storage including Super Capacitors
- Electrical Traction

Engg Section VI - (Electronics and Communication Engg)

- Semiconductor Devices including Nanoelectronics, Microelectronics, Infotronics
- Communications including Analog, Digital, Wireless, Mobile, Underwater & Space Communication
- Optoelectronics & Optical Communications including Lasers & Holography
- VLSI and Embedded Systems
- Electromagnetics & Microwave Engineering
- Consumer Electronics
- Electronic Components

Engg Section VII - (Aerospace Engineering)

- Aero & Space Dynamics
- Navigation Guidance & Control
- Aerospace Structures (Rocket Design, Missile Design, Satellite Design, Aircraft Design and Non-Destructive-Evaluation (NDE)/NDT, Composite Structures)
- Space Transportation Systems including Launch Vehicle Design, Space Engineering
- Avionics, Systems and Instrumentation
- Helicopter Engineering including Design & Analysis.
- Airworthiness and Safety of Aircraft/Helicopters/ Missiles
- Flight Simulation & Flight Control
- Flight Operation & Maintenance

Engg Section VIII - (Mining, Metallurgical and Materials Engineering)

- Mineral Exploration
- Metallurgical Engineering
- Metallurgy and Mineral Processing
- Engineering Materials (Metallic, Non-Metallic, Composites and Nanomaterials)
- Materials Characterization and Evaluation
- Mining Engineering

Engg Section IX - (Energy Engineering)

- Conventional Energy
- Non-Conventional Energy
- Nuclear Engineering
- Renewable Energy (including Solar, Wind, Tidal, Hydrogen, Fuel Cells, Biomass, Biofuels, Geothermal, etc.)
- Non-Renewable Energy including Fossil Fuels
- Energy Audit & Management

Engg Section X - (Interdisciplinary Engineering & Special Fields)

- Mission mode engineering covering more than one section of Engineering as above
- Bioengineering/Technology relevant to Chemical Synthesis, Agriculture, Energy, Atmosphere, Food, Medicine and Medical Devices, Biophysics/ Mechanics, Marine Resources, Molecular Biology, Ergonomics, Informatics, Forensics etc.
- Biomedical Engineering
- Environmental Engineering, Climate Change and Global Warming
- Waste Management, Recycling
- Quality, Reliability & Safety Engineering
- Educational Technology
- Remote Sensing
- Industrial Management

To be filled in by the office	
Check-List	
1. Is the nominee a Member of an Academy in his/her country? 2. Has the nominee contributed to Indian engineering and technology significantly during the last five years? 3. Has the nomination been proposed and seconded correctly? 4. Has the text under each head been put up within the spaces provided? 5. Has the nominee been sponsored earlier as well? 6. If answer to 5 is Yes, ensure that two years have elapsed since the expiry of the validity of the earlier nomination. (The validity of a nomination is three years and a fresh nomination can be made only after two years)	
Registration No. _____	Ack on _____
Executive Secretary	Vice-President (Fellowship, Awards & Corporate Communication)

Particulars of the Nominee

1. **Name** _____

Full Name in Capitals as used in Correspondence

2. **Date & place of birth (City, State & Country) :**

3. **Country of Citizenship**

4. **Field of Specialisation :**
(Not more than two)

5. **Present position :**

6. **Address :** (a) **Official :** (b) **Residential :**

Telephone :.....

Telephone :.....

Fax :.....

E-Mail address :.....

7. **The nomination should clearly mention only one specific Sectional Committee as listed on page 1, to which the nominee should be referred.** SC No.

8. **Academic qualifications and Distinctions**

(a)	Degree	University/Institution	Year	Branch of Engineering
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(b) National/International Honours, Awards, Prizes including honorary degrees

(c) Membership of National/International Professional Bodies with designated abbreviated titles

- 9. A record of professional experience of the nominee highlighting his/her achievements in engineering and technological research and development**
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- 10. Specify the nominee's contribution to the development of Indian Engineering and Technology meriting election to the INAE**

11.

CITATION

SECTIONAL COMMITTEE

Name (Name followed by initials as used in Correspondence, Year of birth in brackets)	(b)
Current Appointment:	
Address:	

Citation (not exceeding 300 words)

Proposers :

(Attach separate sheets if space is inadequate)