

SECTION-III

(Mechanical Engineering)

ACADEMIA

S.No.	Name	Year of birth	Specialization
1.	Agarwal, AK	1972	Internal Combustion Engines
2.	Agrawal, Amit	1974	Fluid Mechanics, Heat Transfer
3.	Ananthasuresh, GK	1967	Compliant Mechanisms, Bio-design
4.	Arakeri, JH	1956	Fluid Mechanics; Heat Transfer
5.	Balaji, C	1968	Heat Transfer; Optimization in Thermal Sciences
6.	Balasubramaniam, Krishnan	1962	Mechanical Engineering; Applied Mechanics
7.	Basu, Saptarshi	1976	Fluid Mechanics, Multiphase Flows, Droplets, Combustion, Energy
8.	Bhattacharya, Anandaroop	1974	Thermal and Fluids Science; Electronic Packaging and Reliability
9.	Bhattacharyya, Bijoy	1958	Non-Traditional Machining, Micro Machining, Advanced Manufacturing Technology (AMT), Production Management.
10.	Bhattacharyya, Souvik	1959	Thermal Science; Transcritical CO2 Refrigeration; Heat Transfer
11.	Bhatnagar, Naresh	1963	Manufacturing, FRP Composites, Personnel Body Armour, Medical Devices & Implants (Dental, Cardiac, Cancer, Orthopedics, ENT Pulmonology)
12.	Biswas, Gautam	1956	Heat Transfer and Fluid Mechanics
13.	Chakraborty, Suman	1973	Thermo-Fluid Sciences and Engg and its applications to materials processing; Microfluidics and Micro/Nano-scale transport processes
14.	Chatterjee, Anindya	1966	Dynamics; Applied Mechanics
15.	Chattopadhyay, AB	1943	Machining & Grinding; Cutting Tools
16.	Das, PK	1962	Multiphase Flow; Heat Transfer
17.	Das, SK	1963	Nanofluids, Heat Exchangers, Two-Phase flow, Bio-Microfluidics, Battery Thermal Management, Fuel Cell, Desalination
18.	Datta, Amitava	1966	Combustion; Thermal Engineering
19.	Date, AW	1945	Thermo-Fluid Science, Choice of Technology
20.	De, Amitava	1968	Welding and Joining, Metal Additive Manufacturing, Computer based Modeling of Manufacturing Processes
21.	Deb, Anindya	1962	Impact and Crash Safety Design; Computer-Aided Engineering
22.	Deb, Kalyanmoy	1962	Optimization; Design
23.	Deshmukh, SG	1959	Industrial Engineering; Operations Management
24.	Dhande, SG	1948	Engineering Design, Computational Geometry
25.	Dutta, Pradip	1960	Heat Transfer; Manufacturing Processes
26.	Eswaran, Vinayak	1959	Fluid Mechanics (Computational); Heat Transfer (Computational)
27.	Ganesan, V	1945	IC Engines, Gas Turbines
28.	Ganguly, Ranjan	1974	Wettability engineering, fog harvesting, condensation heat transfer, surface microfluidics, magnetic particle-based microfluidics, energy and exergy analysis of thermal systems

29.	Ghosal, A	1959	Robotics; Design
30.	Ghosh, Amitabha	1941	Manufacturing Science, Mechanisms & Machine Dynamics, Robotics
31.	Gnanamoorthy, R	1966	Advanced Materials & Product Design; Failure Analysis & Design; Machine Elements; Surface Engineering
32.	Gupta, Kshitij	1951	Vibrations; Rotor Dynamics
33.	Gupta, NK	1942	Plasticity and Impact Engineering
34.	Jain, VK	1948	Micromanufacturing; Advanced Machining Processes
35.	Joshi, Suhas S.	1968	Manufacturing Engineering, Micromachining, Machining, Precision Engineering
36.	Krishna Kumar, R	1956	Computational Mechanics; Tyre Mechanics
37.	Krishnamurthy, MV	1941	Thermal Engineering and Solar Energy Sciences
38.	Kumar, Pramod	1975	Thermal Energy Systems; Heat Transfer
39.	Lal, GK	1938	Metal Forming; Metal Grinding
40.	Majumdar, BC	1941	Machine Design, Tribology
41.	Mallik, AK	1947	Vibration Engineering, Mechanisms
42.	Mathur, HB	1936	Internal Combustion Engines, Fuel Combustion & Pollution
43.	Mishra, PK	1945	Non-Conventional Manufacturing; EDM & Laser Processing
44.	Mohanty, AR	1965	Acoustics and Industrial Noise Control; Machinery Condition Monitoring; Underwater Acoustics, Automobile Engineering, Machine Design
45.	Munjal, ML	1945	Technical Acoustics; Noise and Vibration Control; Mufflers and Silencers
46.	Muralidhar, K	1958	Fluid Mechanics, heat transfer, optical measurements, laser tomography, interfacial phenomena, biomedical imaging, gas hydrates, blood rheology, jets & wakes
47.	Narasimhan, Arunn	1971	Transport in Porous Media; Bio-thermofluids
48.	Narasimhan, R	1960	Fracture Mechanics, Computational Solid Mechanics
49.	Narayanan, S	1945	Vibrations, Acoustics, Nonlinear Dynamics, Random Vibrations, Smart Structures
50.	Narayankhedkar, KG	1946	Cryogenic Engineering, Refrigeration and Airconditioning
51.	Natarajan, R	1941	Combustion, Energy Science & Technology
52.	Nimmagadda, Ramesh Babu	1958	Manufacturing – Advanced Manufacturing Processes, Automation and Robotics, Smart Manufacturing, Precision machine tools
53.	Pal, Surjya	1969	Mechanical Engineering/ Manufacturing
54.	Paul, S	1966	Manufacturing; Machining & Grinding
55.	Prabhu, BS	1940	Tribology; Rotor Dynamics
56.	Pratap, Rudra	1964	MEMS, Vibroacoustics, Mechanobiology
57.	Pratihari, DK	1965	Robotics, Optimization, Welding, Forming, Metal Cutting, Fuzzy Logic, Neural Networks, Un-conventional Machining, Machine Design, Mechanisms
58.	Radhakrishnan, V P	1940	Manufacturing Engineering, Metrology
59.	Rajagopal, KR	1950	Continuum Mechanics
60.	Ramakumar, Janakarajan	1975	Micro/Nano Manufacturing; New product/process development; Tribology; composite; Manufacturing Process modeling
61.	Ramesh, K	1960	Experimental Solid Mechanics, Fracture Mechanics, Digital Photoelasticity and Engineering Education
62.	Rao, BVA	1933	Mechanical Engineering, Condition Monitoring
63.	Ravi, B	1964	Metal Casting (Design & Simulation); Medical Device Innovation
64.	Ray, Manas Chandra	1963	Smart Structures, Micromechanics and Nanomechanics of Composites
65.	Sarangi, SK	1949	Refrigeration and Cryogenic Engineering, Heat Transfer Equipment

66.	Sastri, VMK	1938	Energy, Thermo Fluid Sciences
67.	Sen, PK	1945	Theoretical Investigation of Hydrodynamic Stability Problems; Theoretical Aspects of Wall Turbulence
68.	Sharma, Atul	1972	Theoretical & Computational Continuum (Solid & Fluid) Mechanics
69.	Som, SK	1949	Thermal Science & Engineering, Automization & Spray Combustion
70.	Srinivasa Murthy, S	1945	Refrigeration & Airconditioning, Heat & Mass Transfer
71.	Srinivasan, J	1947	Monsoon Meteorology, Renewable Energy
72.	Sukhatme, SP	1938	Heat Transfer, Energy
73.	Sundararajan, T	1956	Combustion, Heat Transfer
74.	Tandon, N	1954	Vibration Monitoring; Noise Engineering
75.	Vrat, Prem	1944	Industrial systems engineering , system dynamics , supply chain and operations management, TQM

R&D

1.	Ambirajan, Amrit	1965	Thermal Management of Electronics; Two-phase heat transport devices
2.	Balasubramaniam, R	1961	Ultra Precision Manufacturing, Micro Machining Diamond Turn Machining, Technology deployment for societal applications
3.	Basu,SK	1931	Machine Tools Design, Manufacturing Engineering
4.	Bhujanga Rao, V	1951	Shock, Noise & Vibration, Machinery Condition Monitoring, Medical Devices
5.	Chattopadhyay, Jayanta	1966	Fracture Mechanics; Finite Element Analysis
6.	Chellapandi, P	1956	Engineering Mechanics, High Temperature Design
7.	Dutta, BK	1953	Structural Integrity; Miniaturized Specimen Testing; Nuclear Fuel Safety; Mechanics of Irradiated Materials
8.	Grover, RB	1949	Thermal Engineering; Nuclear Safety, Energy Studies
9.	Jayarajan, K	1962	Remote Handling, Robotics, Walking Machines, Teletherapy Machine, Safety Regulation
10.	Joshi, Jaiteerth R	1970	Manufacturing, NDT, Welding, Technology Management and Missile Integration
11.	Kondapurath, Sreedhar Balagopal	1965	Centrifugal pump design and testing; sodium Technology
12.	Krishnan, Jalpesan	1949	Welding processes, distortion control in welding, diffusion bonding, electron beam welding
13.	Kushwaha, HS	1946	Structural Engineering, Fracture Mechanics
14.	Murmu, NC	1971	Tribology & Composite Material; Micro/Nano Manufacturing
15.	Nagahanumaiah	1969	Micro-Nano Systems Engineering, Modular and Reconfigurable Machine Tools, Tool design, Additive Manufacturing, Cost Modeling and Manufacturability Evaluation.
16.	Natarajan, M	1946	Mechanical Engineering (Design), Automotive Technology
17.	Prasad, Arun	1929	Gas Turbine Technology
18.	Ram, Dasharath	1962	Precision Manufacturing; Product Development
19.	Ramanarayanan, CP	1958	Propulsion; Heat Transfer

20.	Ranganayakulu, Chennai	1960	Heat Transfer-Compact Heat Exchangers; Aircraft Environmental Control Systems, Boiling and Condensation
21.	Ravisankar, A	1959	Fast Reactor Fuel Reprocessing Technology; Remote Technology and special purpose machines
22.	Sinha, Anil Kumar	1956	High Precision Instruments; Special purpose machines & equipments
23.	Sinha, GP	1946	Operations Research & Industrial Engineering; Production Engineering
24.	Sivakumar, P	1958	Mechanical Engineering; Automobile Engineering
25.	Velusamy, K	1959	Computational Heat Transfer; Liquid Metal Thermal Hydraulics

INDUSTRY

S.No.	Name	Year of birth	Specialization
1.	Akarte, RR	1945	Machine Design, Automobile Engineering
2.	Aprameyan, K	1942	Internal Combustion Engineering, Automobile Engineering
3.	Chandraker, AL	1949	Computational Fluid Dynamics, Turbomachines
4.	Dendukuri, Dhananjaya	1978	Microfluidics, Point-of-care diagnostics, Textile Engineering, Immunoassays, Biomaterials fabrication
5.	Dube, NM	1948	Tribology; Design of Tribometers, Analog Circuit Design, Material Characterization and Evaluation
6.	Forbes, Naushad	1960	Technology Policy & Management; Education Policy
7.	Goenka, PK	1954	Vehicle Design and Development; Engine Tribology
8.	Gupta, Mahesh	1954	Mechanical Engineering
9.	Jindal, Sajjan	1959	Metallurgy; Steel Industry
10.	Kirloskar, Sanjay Chandrakant	1957	Management, Operations
11.	Krithivasan, K.	1965	Digital transformation, management
12.	Lakshminarayanan, PA	1949	Diesel & Gas Engine Research, Design and Development; Combustion Research; Teaching
13.	Mahadevan, R	1943	I.C. Engines
14.	Mangalaramanan, SP	1969	Mechanical Engineering, FEA, Design, Innovation, Automobile, Pressure Vessels
15.	Maini, Chetan	1970	Electric & Hybrid Vehicles
16.	Majumdar, Sekhar	1948	Computational Fluid Dynamics
17.	Mohan Ram, NS	1936	Warship Design and New Product Development
18.	Mohan Reddy, BVR	1950	General Management; Technology
19.	Naik, AM	1942	Engineering and Technology Management
20.	Narendran, TV	1965	Marketing & Sales; International Trade
21.	Patil, JD	1954	Multi-disciplinary Engineering; Conceptual & System Design
22.	Ramchandani, A	1962	Mechanical Systems Simulation; Multidisciplinary Systems Development
23.	Ravichandran, N	1947	Manufacturing of Engineering Products; Total Quality Management

24.	Saraf, Sudarshan Madhoprasad	1949	Manufacturing engineering in sheet metal technologies and product development
25.	Sobti, Atul	1959	Mechanical; Marketing
26.	Srinivasan, V	1952	Management; Engineering
27.	Subramanian, K.	1974	MEMS, Nanotechnology, Energy, Automobile
28.	Venkataramani, N	1939	Mechanical Engineering; Automobile Engineering

FOREIGN FELLOWSHIP

S.No.	Name	Year of birth	Specialization
1.	Ewins, David John	1942	Vibrations; Structural Dynamics
2.	Jones, Norman	1938	Dynamic inelastic Response of Structures; Structural Crashworthiness; Structural Impact
3.	Kiuchi, Manabu	1940	Manufacturing Science; Metal Forming
4.	Lieuwen, TC	1972	Combustion; Energy
5.	Mitra, Sushanta	1972	Microfluidics & Nanofluidics; Integrated Water Management
6.	Murthy, Jayathi Y	1958	Computational Fluid Dynamics and Heat Transfer; Microscale Heat Transfer
7.	Ravichandran, Guruswami	1959	Mechanics of materials, Dynamic behavior of materials, Experimental mechanics
8.	Rosakis, Ares J	1956	Mechanical Engineering; Aerospace Engineering
9.	Schiehlen, Werner	1938	Applied Dynamics, Road and Rail Vehicles
10.	Sreenivasan, KR	1946	Fluid Dynamics; Nonlinear Dynamics
11.	Sridhar, KR	1960	Energy; Mechanical Engineering

INAE YOUNG ASSOCIATES ON ROLL

S.No.	Name	Specialization
1.	Arumuru, V	Fluid and Thermal Science
2.	Baranwal, Mayank	Optimization, Control, Deep Learning, Network Systems
3.	Chowdhury, Arindrajit	Combustion
4.	Das, Prosenjit	Materials processing and Manufacturing
5.	Ghosh, Uddipta	Thermal Science and Engineering, Low Reynolds number flows
6.	Harikrishnan, AR	Thermal and Fluid Sciences
7.	Jyothi, Preethi	Machine Learning, Artificial Intelligence, Speech and Natural Language Processing
8.	Karagadde, S	Solidification processing, Computational methods, in situ Imaging
9.	Khatri, Neha	Ultra-precision machining, Optical system design simulations & fabrication for X-Rays, Visible & IR Optical elements, Smart manufacturing
10.	Kumari, Poonam	Smart materials and structures
11.	Muvvala, Gopinath	Laser material processing, Additive manufacturing, Welding, Surface Engineering, Real-time monitoring and control
12.	Obbattu, Sai Lakshmi Bhavana	Cryptography and Privacy Preserving Secure Computation
13.	Pandey, Chandan	Manufacturing; Welding; Testing; Residual stresses
14.	Patel, Naimesh R	Opto-Mechanical design and development of optical payloads for imaging satellites
15.	Pattamatta, Arvind	Computational Fluid Dynamics and Heat Transfer
16.	Prakash, Baibhaw	Pressure Vessel Design, Vacuum System Design and Thermo-Mechanical Design of Electron Beam System
17.	Raj, Rishi	Energy Efficiency, Boiling, Two-phase flows, Microgravity Science
18.	Sarma, Shridutidhara	Flexible and Stretchable sensors, Laminated nanocomposites, Structure-Property Relationships study
19.	Sundriyal, Poonam	Additive Manufacturing, Flexible and Wearable Electronics Fabrication
20.	Suresh Kumar, N	Electric Tractor Engineering, EV Powertrain, Automotive Transmission, Electro Hydraulic controls
21.	Swaminathan, Jaichander	Energy efficiency, desalination, industrial effluent and brine management, optimization, cooling
22.	Tomar, Gaurav	Two phase flows, interfacial instabilities, computational heat and mass transfer.