

**SECTION-VII**  
**(Aerospace Engineering)**

**ACADEMIA**

<b>S.No.</b>	<b>Name</b>	<b>Year of birth</b>	<b>Specialization</b>
1.	Bhat, MS	1952	Navigation, Guidance and Control; Smart Structures and VAV
2.	Dattaguru, B	1942	Aerospace Structures, Structural Mechanics, Fracture Mechanics
3.	Deshpande, SM	1942	Aerodynamics, Computational Fluid Dynamics, Rarefied Gas Dynamics
4.	Ganguli, Ranjan	1967	Aerospace Engineering
5.	Ghose, Debasish	1960	Guidance and Control; Distributed Computing
6.	Ghoshal, TK	1945	Control Engineering, Aerospace Control and Guidance. Realtime Systems
7.	Gopalakrishnan, S	1960	Smart Structures; Computational Mechanics
8.	Hablani, HB	1950	Guidance, Navigation and Control of Space Flight Vehicles
9.	Jagadeesh, G	1966	Hypersonic Aerothermodynamics; Shockwave Dynamics
10.	Krishnamurty, AV	1938	Smart Structures, Fracture Mechanics Composites
11.	Kumar, Sudarshan	1977	Combustion and Propulsion
12.	Lakkad, SC	1943	Composite Materials, Structural Analysis & Design
13.	Mahapatra, D Roy	1974	Aerospace Structures; NDT and Structural Health Monitoring
14.	Mahapatra, PR	1947	Aerospace Systems, Radar & Electronics Systems
15.	Mathew, Joseph	1961	Fluid dynamics; Turbulence
16.	Mittal, Sanjay	1968	Unsteady Aerodynamics; Computational Fluid Mechanics
17.	Mitra, Mira	1977	Aerospace Structures
18.	Mukunda, HS	1943	Combustion Aerodynamics, Bio-residue for Energy
19.	Naik, NK	1944	Polymer Matrix Composites; Aerospace Technology
20.	Padhi, R	1972	Optimal Guidance, Nonlinear Control, Aerospace and Biomedical Applications
21.	Prabhakara Rao, K	1939	Aerospace Structures, Composites
22.	Raghunandan, BN	1949	Aerospace Propulsion, Combustion, Atomization & Sprays
23.	Ramaswamy, MA	1936	Aerodynamics, Wind tunnel design
24.	Sudhakar, Krishnarao	1948	Flight Mechanics, MDO
25.	Sujith, RI	1967	Combustion Instability; Optical Flow Diagnostics
26.	Sundaram, Suresh	1977	Flight Control, autonomous system, cooperative
27.	Suryanarayan, S	1946	Aeroelasticity; Structural Dynamics
28.	Swamy, MS	1939	Aircraft Design & Development, Wind Tunnel and Flight Testing
29.	Venkatesan, C	1950	Helicopter Dynamics and Aeroelasticity; Smart Structures
30.	Venkateswara Rao, G	1944	Structural Mech.; Finite Element Method

## R&D

S.No.	Name	Year of birth	Specialization
1.	Adimurthy, V	1946	Aerospace Dynamics, Multi Disciplinary Optimization
2.	Alex, TK	1948	Satellite Technology, Photonics, Sensor Technology
3.	Ayyappan, G	1960	Liquid Propulsion Rocket Technology; Sytem Engineering & Launch Vehicle Project Management
4.	Chakraborty, Debasis	1959	CFD, Aerodynamics, Propulsion, Combustion, Turbulence, Numerical Methods, Hypersonic
5.	Chander, Avinash	1950	Missiles; Guidance and Navigation
6.	Chandrasekhar, MG	1949	Satellite Technology, Space Systems Operations, Space Applications
7.	Chaudhuri, SK	1949	Flight Control and Guidance System; Hardware-In-Loop-Simulation (HILS) and Real Time Embedded System
8.	Chetty, S	1954	Flight Dynamics; Flight Control
9.	Dhekane, MV	1957	Launch Vehicle-Guidance Navigation Control; Space Transportation System-Mission Design Analysis & Validation
10.	Goel, PS	1947	Spacecraft Altitude Control, Space Technology
11.	Jadhav, JJ	1965	Design and Development of Fighter and Civil Aircrafts
12.	Joseph, George	1938	Remote Sensing, Electro optics, Space instrumentation, Space science
13.	Jyoti, Rajeev	1962	Spaceborne Payloads for Satellite Communication, Navigation and Microwave Remote Sensing satellites
14.	Kadam, NV	1944	Flight Control System Design, Trajectory Simulation
15.	Kalyanaraman, S	1942	Remote Sensing Technology, Electronics & Communication
16.	Kasturirangan, K	1940	High Energy Astronomy & Satellite Technology
17.	Katti, VR	1946	Satellite Technology; Electro Magnetic Compatibility
18.	Kota, Harinarayana	1943	Aircraft design, Systems engineering, Technology management, Project management
19.	Kunhikrishnan, P	1961	Satellite Launch Vehicle Technology & Project Management; Launch Vehicle Avionics Systems
20.	Lalithambika, VR	1962	Control Engineering; Human Spaceflight
21.	Menon, K Rajalakshmi	1966	Aerospace Systems/Intelligence, Surveillance and Reconnaissance
22.	Misra, Tapan	1961	SAR Design & Development; SAR Processing Algorithm; Design and Software Development
23.	Mohan Lal, PP	1954	Navigation Systems and Sensors; Computational Intelligence and Control
24.	Muthunayagam, AE	1939	Propulsion and Heat Transfer
25.	Nagappa, R	1941	Rocket Propulsion
26.	Nair, GM	1943	Launch Vehicle Systems Engg., R&D Management
27.	Nair, Anil Kumar A K	1960	Space Situational Awareness and Management
28.	Narayana Murthy, BHVS	1963	Embedded Computers; Navigation Systems
29.	Narayanan, KG	1942	Microwave Engineering, Avionics Systems

30.	Narayanan, KG	1942	Microwave Engineering, Avionics Systems
31.	Narayanan, V	1964	Development of Cryogenic & Semi-Cryogenic Rocket Propulsion; Project Management for Cryostage Realisation
32.	Nayak, J	1968	Inertial Navigation Sensors & System; Directed Energy Weapon System
33.	Pandian, S	1959	Aerodynamics; Propulsion
34.	Patki, AV	1943	Aerospace Engineering, Structural Mechanics
35.	Perumal, RV	1943	Design & Testing of Aerospace Structures, Project Management
36.	Prahlad, TS	1940	Aerodynamics, Aerospace Design
37.	Prahlada	1947	Aeronautics, Management
38.	Radhakrishnan, K	1949	Space Transportation System; Human Spaceflight
39.	Raja, Samikkannu	1966	Aeroelasticity/Structural Dynamics; Adaptive Structures
40.	Rajan, YS	1943	Space Technology, Technology Management
41.	Reddy, G Satheesh	1963	Missile Systems & Avionics Technologies
42.	Saraswat, VK	1949	Rocket Propulsion, Combustion, Aerospace Engineering
43.	Sinha, UN	1947	Parallel Computers, Fluid Mechanics
44.	Sivan, K	1957	Integrated Mission Design and Analysis; Guidance System Design
45.	Sivathanu Pillai, A	1947	Aerospace Engineering; Missile Technology
46.	Somanath, S	1963	Launch Vehicles Systems Engineering; Structural Design/Analysis
47.	Subba Rao, M	1946	Composite Structures
48.	Subramanyam, PS	1950	Design & Development of avionics & flight control system for combat aircraft
49.	Sundaram, Ramesh	1962	Aerospace Composites, Polymer Science
50.	Sundaram, VJ	1935	Aerospace Structures, Missile Technology
51.	Suresh, BN	1943	Control and Guidance of Launch Vehicles
52.	Suresh, MS	1964	Turbomachines; Cryogenic Rocket Engines
53.	Tamilmani, K	1952	Aeronautics; Airworthiness & Certification
54.	Thomas, Tessy	1963	Missile Guidance; Mission Design
55.	Upadhya, AR	1949	Developing techniques and methodology for aerospace vehicle design; Management of Aerospace R&D & aircraft development programme
56.	Veeraraghavan, PS	1948	Design and Development of Satellite Launch Vehicles; and Inertial Systems for Launch Vehicles and Spacecrafts
57.	Venugopalan, P	1948	Rocket Propulsion, Missile System Engineering
58.	Venkatakrisshnan, L	1967	Aerodynamics; Aeroacoustics
59.	Yegnanarayan, K	1947	Aerodynamics; Aircraft Design, Development & Production

## INDUSTRY

S.No.	Name	Year of birth	Specialization
1	Ramasubbu, Sunder	1970	Structural Integrity of Materials and Structures
2	Prakash, Sajal	1964	Aerospace Engineering, Project Management, Leadership, Strategic Planning and Industrial R&D
3	Suvarna Raju, T.	1958	Aerospace & Aviation (Defence); Manufacturing
4	Tyagi, Ravindra Kumar	1955	Petroleum, Aerospace, Defence and Higher Education

## **FOREIGN FELLOWSHIP**

S.No.	Name	Year of birth	Specialization
1.	Yang, Vigor	1955	Aerospace propulsion, combustion, energy

## **INAE YOUNG ASSOCIATES ON ROLL**

S.No.	Name	Specialization
1.	Karmarkar, Sourabh	Design, development & analysis of liquid propulsion Stage Systems
2.	Mathavaraj, S.	Space Dynamics, Interplanetary Trajectory design, GNC of Space Vehicles, Optimal Control and Estimation Theory
3.	Mariappan, Sathesh	Aerospace Propulsion
4.	Narendar, S	Thermo-Structural Testing and Wave Propagation in Nanostructures
5.	Padwal, Manisha B	Propulsion: Atomization and Combustion
6.	Pawar, Samadhan Ananda	Aerospace Propulsion, Unsteady Combustor Physics
7.	Sitara, Brajnish	Inertial navigation
8.	Thammisetty, Devakumar	Rocket Propulsion