

SECTION-VII
(Aerospace Engineering)

ACADEMIA

S.No.	Name	Year of birth	Specialization
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

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25.	Sujith, RI	1967	Combustion Instability; Optical Flow Diagnostics
26.	Sundaram, Suresh	1977	Flight Control, autonomous system, cooperative control, game/team theory, artificial intelligence, computer vision, robotics
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

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16.	Katti, VR	1946	Satellite Technology; Electro Magnetic Compatibility
17.	Kota, Harinarayana	1943	Aircraft design, Systems engineering, Technology management, Project management
18.	Kunhikrishnan, P	1961	Satellite Launch Vehicle Technology & Project Management; Launch Vehicle Avionics Systems
19.	Lalithambika, VR	1962	Control Engineering; Human Spaceflight
20.	Madhavan Sarada, Suresh	1964	Turbomachines, Cryogenic Rocket Engines
21.	Menon, K	1966	Aerospace Systems/Intelligence, Surveillance and Reconnaissance
22.	Rajalakshmi 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, V	1964	Development of Cryogenic & Semi-Cryogenic Rocket Propulsion; Project Management for Cryostage Realisation
31.	Nayak, J	1968	Inertial Navigation Sensors & System; Directed Energy Weapon System
32.	Pandian, S	1959	Aerodynamics; Propulsion
33.	Patki, AV	1943	Aerospace Engineering, Structural Mechanics
34.	Perumal, RV	1943	Design & Testing of Aerospace Structures, Project Management
35.	Prahlad, TS	1940	Aerodynamics, Aerospace Design
36.	Prahlada	1947	Aeronautics, Management
37.	Radhakrishnan, K	1949	Space Transportation System; Human Spaceflight
38.	Raja, Samikkannu	1966	Aeroelasticity/Structural Dynamics; Adaptive Structures
39.	Rajan, YS	1943	Space Technology, Technology Management
40.	Reddy, G Satheesh	1963	Missile Systems & Avionics Technologies
41.	Saraswat, VK	1949	Rocket Propulsion, Combustion, Aerospace Engineering
42.	Sinha, UN	1947	Parallel Computers, Fluid Mechanics

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43.	Sivan, K	1957	Integrated Mission Design and Analysis; Guidance System Design
44.	Sivathanu Pillai, A	1947	System Engineering, Mission Planning, Project Leadership, Aerospace Systems, Institution Building
45.	Somanath, S	1963	Launch Vehicles Systems Engineering; Structural Design/Analysis
46.	Subba Rao, M	1946	Composite Structures
47.	Subramanyam, PS	1950	Design & Development of avionics & flight control system for combat aircraft
48.	Sundaram, Ramesh	1962	Aerospace Composites, Polymer Science
49.	Sundaram, VJ	1935	Aerospace Structures, Missile Technology
50.	Suresh, BN	1943	Launch vehicle Design, Control and Guidance of Launch Vehicles, System Engineering, R&D Management
51.	Tamilmani, K	1952	Aeronautics; Airworthiness & Certification
52.	Thomas, Tessy	1963	Missile Guidance; Mission Design
53.	Upadhya, AR	1949	Developing techniques and methodology for aerospace vehicle design; Management of Aerospace R&D & aircraft development programme
54.	Veeraraghavan, PS	1948	Design and Development of Satellite Launch Vehicles; and Inertial Systems for Launch Vehicles and Spacecrafts
55.	Venugopalan, P	1948	Rocket Propulsion, Missile System Engineering
56.	Venkatakrishnan, L	1967	Aerodynamics; Aeroacoustics
57.	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.	Chaunsali, Rajesh	Solid/Structural Mechanics, Metamaterials, Wave Physics, Vibration Control, and Instabilities
2.	Duvvuri, Subrahmanyam	Aerospace Engineering, Aerodynamics, Turbulence, Supersonic and Hypersonic Flight
3.	Karmarkar, Sourabh	Design, development & analysis of liquid propulsion Stage Systems
4.	Mathavaraj, S.	Space Dynamics, Interplanetary Trajectory design, GNC of Space Vehicles, Optimal Control and Estimation Theory
5.	Mariappan, Sathesh	Aerospace Propulsion
6.	Narendar, S	Thermo-Structural Testing and Wave Propagation in Nanostructures
7.	Padwal, Manisha B	Propulsion: Atomization and Combustion
8.	Pawar, Samadhan Ananda	Aerospace Propulsion, Unsteady Combustor Physics
9.	Prakash, Tanvi	Aircraft Design, Unmanned Systems, UAV, Morphing Aircraft, New Product Development
10.	Sitara, Brajnish	Inertial navigation
11.	Thammisetty, Devakumar	Rocket Propulsion