

SECTION-VI
(Electronics and Communication Engineering)

ACADEMIA

S.No.	Name	Year of birth	Specialisation
1.	Anand, GV	1943	Signal processing, Ocean acoustics, onlinear dynamics.
2.	Balakrishnan, M	1956	Assistive Technology, Embedded Systems, EDA and System Level Design
3.	Balakrishnan, N	1950	Information Security, Computational Electromagnetis
4.	Bharadwaj, Amrutur	1969	Microelectronics
5.	Bhat, Bharathi	1941	Microwave and Millimeter Wave Engineering
6.	Bhat, KN	1943	Microelectronics
7.	Bhat, Navakanta	1968	Nanoelectronics; Sensors
8.	Bhatnagar, Manav	1976	Communication Engineering
9.	Bhattacharyya, AB	1937	Microelectronics
10.	Chakraborty, M	1961	Digital Signal Processing
11.	Chandra, Kailash	1934	Electronics Instrumentation, Precision Measurement
12.	Chakrabarti, Subhananda	1970	Semiconductor Optoelectronics
13.	Chauhan, Yogesh	1978	Nanoelectronics, Modeling and Simulation of Semiconductor Devices, DC, RF and Noise Characterization
14.	Chockalingam, A	1962	Wireless Communications and Networking
15.	Dasgupta, Amitava	1959	Microelectronics, MEMS
16.	Dasgupta, Nandita	1962	Semiconductor Devices; VLSI Technology
17.	De, Swades Kumar	1969	Communication systems and networks
18.	Desai, UB	1951	Signal & Image Processing, Wireless Communication
19.	Dutta Roy, SC	1937	Circuits, Systems and Signal Processing
20.	Gandhi, Tapan Kumar	1980	Medical Electronics, Computational Neuroscience, Medical Signal & Image Processing, Assistive Technology, Rehabilitation Engineering
21.	Guha, D	1963	Antenna Engineering, Applied Electromagnetics, and Microwaves
22.	Gumaste, Ashwin	1975	Telecommunications, Cyber Security
23.	Hari, KVS	1962	Signal Processing; Communications
24.	Jagadesh Kumar, M	1960	Nanoelectronics; Device Modeling & Simulation
25.	Jaleel Akhtar, M	1971	RF Sensors, Microwave Imaging Techniques, Nanocomposites Based Microwave Absorbers
26.	Jayadeva	1967	AI/Machine Learning
27.	Jhunjhunwala, Ashok	1953	Development of affordable products, like Wireless in Local Loop, remote health monitoring system, rural-ATM, Solar-DC for homes, electric vehicles etc; telecom design & manufacturing for import substitution; ICT to drive healthcare, education, agriculture, livelihood and financial inclusion in rural India
28.	Kartikeyan, MV	1961	High Power Millimeter Waves; High Frequency Circuits, Antennas and Systems
29.	Koilpillai, RD	1962	Wireless Communications, Digital Signal Processing

30.	Kottantharayil, GA	1971	Solar Photovoltaics, Nanoelectronic Devices, Semiconductor Processing
31.	Koul, SK	1954	Microwave and Millimeter Wave Engineering, CAD of Microwave ICs
32.	Krishnapura, Nagendra	1974	Analog Integrated Circuit Design, Circuits and Systems Pedagogy
33.	Kumar, Anurag	1955	Communication Networks and Cyber Physical Systems: modeling, analysis, optimisation, control
34.	Kumar, PV	1955	Algebraic Coding Theory; Wireless Communication
35.	Lahiri, SK	1943	Microelectronics & MEMS, Integrated Optics
36.	Lodha, Saurabh	1977	Nanoscience and Nanotechnology
37.	Mahapatra, Souvik	1970	Semiconductor Devices
38.	Manjunath, D	1964	Telecommunication and Networking; Performance Models of Systems
39.	Mallik, RK	1964	Electrical Communication Engineering
40.	Mehta, NB	1975	Wireless Communications and standards
41.	Murthy, CR	1976	Wireless Communications, Signal Processing
42.	Murti, VGK	1933	Electrical Measurements, Networks and Systems
43.	Narayanan, H	1948	Electrical Networks, Combinatorial Optimization
44.	Panda, G	1948	Digital Signal Processing, Soft Computing in Communication
45.	Paulraj, AJ	1944	Wireless Communication
46.	Prasad, Surendra	1948	Signal Processing, Communications
47.	Rajan, BS	1958	Communication Theory; Information Theory
48.	Ramamurthi, B	1959	Communications, Wireless Networks
49.	Ramakrishnan, AG	1958	Human-Computer Interface Technologies; Neuroscience and Signal Processing
50.	Rao, V Ramgopal	1965	Nanoelectronics; CMOS Devices
51.	Ray, KP	1960	Antennas, Radars, RF/Microwave, Electromagnetics, High Power Microwave Systems, RF-Photonics, Industrial/Medical Microwave Systems
52.	Ray, SK	1961	Semiconductor Devices, Nanophotonics, Quantum Devices, Thin Films
53.	Reddy, VU	1939	Signal Processing, Communications
54.	Roy, S	1966	Nano-Bio-Photonics, Neurophotonics, Silicon Photonics, Optical Computing, Ultrafast Information Processing
55.	Shanthi Pavan, Y	1973	Analog, Mixed-Signal and RF Circuits and Systems
56.	Sharma, Anurag	1955	Photonics (Fibre Optics); Optical Engineering
57.	Sharma, Vinod	1957	Wireless Communications and Networking; Information Theory
58.	Shevgaonkar, RK	1954	Applied Electromagnetics and Antennas, Optical Communication and Photonics, Radio Astronomy
59.	Shojaei Baghini, M	1965	Electrical Engineering - Electronics and Microelectronics
60.	Thyagarajan, K	1952	Photonics; Opto-Electronics
61.	Vasi, JM	1947	Microelectronics
62.	Vinoy, KJ	1969	Microwave Engineering, Microelectro Mechanical Systems

R&D

S.No.	Name	Year of birth	Specialisation
1.	Aatre, VK	1939	Digital Signal Processing, Sonar System Design
2.	Agrawal, VK	1953	Electronics and Computer
3.	Ahmad, Shamim	1943	Millimeter Wave, Semiconductor Devices Technology and Physics
4.	Ananda Mohan, VP	1949	Analog VLSI Design, Cryptography
5.	Bhatkar, VP	1946	Super Computing, Artificial Inatelligence
6.	Bimalkhedkar, S	1945	Defensive Electronics and Signal Processing
7.	Biswas, BB	1948	Control & Safety Instrumentation, particularly for Nuclear Plants
8.	Calla, OPN	1935	Electronics Communication
9.	Chander, V	1946	Signal Processing; Underwater Systems
10.	Chatterjee, UK	1938	Lasers, High Voltage Switching
11.	Christopher, S	1955	Air Borne Early Warning Systems; Radar Technology
12.	Cleetus, George M	1943	Digital Signal Processing, Radar Systems Engineering
13.	Das, Binoy Kumar	1966	Image Processing, Range Technology, Electro-Optics, Radar, EW System, DEW, SDR, Project Portfolio Management
14.	Deekshatulu, BL	1936	Digital Image Processing, Remote Sensing, Machine Learning, Artificial Intelligence, Control Engg.
15.	Kumar, C	1976	Microwave Antennas; RF Communication
16.	Kumar, D	1946	Information Technology, Integrated Networks
17.	Kumar, Lalit	1953	Microwave Engineering; Vacuum Electronics Devices
18.	Kumar, Vikram	1947	Semi-conductor Physics and Technology
19.	Ghosh, HN	1966	Ultrafast Spectroscopy, Semiconductor Quantum Dots, 2D materials, Perovskites, Plasmonic Materials
20.	Misra, Arundhati	1962	Microwave Remote Sensing Sensors' algorithm, processor and advanced techniques development
21.	Muralidharan, R	1953	Semiconductor Material and Device Technology
22.	Padmanabhan, VN	1971	Computer Networking; Mobile Systems
23.	Pal, Surendra	1948	Space Communications, Microwaves, Electromagnetics and Antennas
24.	Pithawa, CK	1951	Control and Instrumentation of Nuclear Power Plants, Research Reactors and Particle Accelerators
25.	Ramalingam, RP	1946	Embedded Systems, Software Engineering
26.	Ramamurthy, N	1954	Signal Processing; Communications
27.	Sharma, SB	1947	Electronics & Communication; Microwave Engineering
28.	Sitaram, N	1946	Military Communication, Command Control Information Systems
29.	Varadarajan, S	1949	Radar Data Processing; Radar System Engineering

INDUSTRY

S.No.	Name	Year of birth	Specialization
1.	Acharya, Tinku	1963	Image Processing & Computer Vision; VLSI Architecture & Algorithms
2.	De, Alok Nath	1962	Cyber-Physical Systems; ATIC6: AI, Trusted Tech, IoT, Cobotics, 6G
3.	Deshpande, Vinay L	1947	Digital Systems, Management of R&D
4.	Gore, Dhananjay A	1977	Wireless Communications
5.	Gowtama, MV	1961	Electronics Warfare
6.	Jayasimha, Sriram	1957	Multirate Digital Signal Processing, Communications Systems
7.	Kaura, SK	1944	Electronics
8.	Kumar, N	1950	Electronics
9.	Malla Reddy, B	1947	Electronics-Microwaves
10.	Mehendale, MM	1963	VLSI Architectures; Low Power VLSI Design
11.	Mittal, Sunil Bharti	1957	Telecom, Space Communications, Digital Solutions
12.	Muralidharan, Raghavan	1954	Systems Engineering, Mission critical Real time systems Radios Communication systems AI/ML for Defence systems
13.	Nagarajan, V	1944	Fibre Optics Communication, Digital Communication
14.	Nayak, Sanjay	1964	Telecommunications & Networking; Electronics and Semiconductor
15.	Parulkar, Ishwardutt	1966	Mobile Networks; Cloud Technologies
16.	Pitroda, Satyan (Sam) G	1942	Electronics and Communication Engineering
17.	Pradhan, BD	1939	Telecommunications, Electronics
18.	Ravikumar, CP	1961	VLSI Design, VLSI Test, Embedded Systems, Programming, High Performance Computing
19.	Roy, JN	1957	Semiconductor, VLSI, Solar-Photovoltaics
20.	Saale, Manu	1973	Leadership, Enterprise Transformation, Embedded Systems and Software, Growth Strategies
21.	Saraf, Sharad Kumar	1947	International Trade, Manufacturing Technology
22.	Sastry, VVR	1949	Telecommunications & military communications; Technology Management
23.	Sherlekar, SD	1956	Computer Science Engineering and Electronics Engineering
24.	Shorey, Rajeev	1963	Communication Networks, 5G/6G Networks, Edge Computing, AI/ML/DL, Cyber Security, Automotive Systems,
25.	Singh, Surjit	1941	Communications and Radar, Computer Sciences
26.	Sivarajan, KN	1965	Communication Networks; Optical Networking
27.	Srivastava, GP	1949	Automation & Control Systems Engineering, NDE Instrumentation, Security Electronics
28.	Venkatesh, G	1961	Telecom Engineering; VLSI Design
29.	Venkatesh, N	1963	Internet of Things; Wireless LAN
30.	Zarabi, MJ	1947	Microelectronics; Physical Electronics

FOREIGN FELLOWSHIP

S.No.	Name	Year of birth	Specialization
1.	Baliga, B Jayant	1948	Electrical Engineering; Power Electronics
2.	Bhargava, VK	1948	Wireless Communications; Digital Communications
3.	Deen, M Jamal	1955	Optoelectronics; Micro/Nano-electronics
4.	Jagadish, Chennupati	1957	Semiconductors, Optoelectronics, Nanotechnology, Photonics, Photovoltaics, Neurotechnology, Renewable Energy
5.	Kazmerski, Lawrence Lee	1945	Electrical Engineering; Solar Photovoltaics (Renewable Energy)
6.	Kailath, Thomas	1935	Signal Processing, Control, Communications
7.	Kumar, PR	1952	Control Systems; Communication Networks
8.	Letaief, Khaled B	1962	6G Wireless Systems, artificial intelligence, mobile cloud and edge computing, wireless communications and networking, tactile Internet
9.	Mishra, Umesh Kumar	1958	Semiconductor Materials and Devices , Gallium Nitride technologies
10.	Mitra, Sanjit Kumar	1935	Analog and Digital Signal Processing
11.	Narayanamurti, Venkatesh	1939	Electrical Engineering; Materials Engineering
12.	Netravali, Arun	1946	Visual Communications, Computer Systems and Communications Sciences
13.	Payne, David N.	1944	Photonics; Fiber Lasers
14.	Rohde, Ulrich L	1940	Electronics & Comm. Engineering, Signal Generation & Signal Processing Engg.
15.	Reddy, Raj	1937	Computer Science and Robotics - IT Education
16.	Seshadri, Nambi	1961	Wireless Communications
17.	Stata, Raymond S	1934	Electrical Engineering, Management
18.	Tatipamula, Mallikarjun	1968	Telecommunications, Internet, Networking and Wireless technologies
19.	Vaidyanathan, Palghat	1954	Digital Signal Processing and Communications
20.	Wineland, David	1944	Atomic Physics, Atomic spectroscopy, Atomic clocks, Quantum information, Quantum computation

INAE YOUNG ASSOCIATES ON ROLL

S.No.	Name	Specialization
1.	Avasthi, Sushobhan	Photovoltaics
2.	Chaudhary, Raghvendra Kumar	RF & Microwave Engineering
3.	Das, Samaresh	Silicon based photodetector from visible to infared wavelengths, Quantum devices for future electronics
4.	Dash, Soumya Prakash	Communication theory, Wireless communications, Diversity combining, Digital communications
5.	Dutta, Tanmay	Non-volatile/ Race-track/ Neuromorphic memory, Spintronics, MRAM (SOT,STT), HDD, SSD
6.	Ghosh, Saptarshi	RF and Microwave
7.	Kumar, Niraj	Plasma assisted Microwave & sub-THz source
8.	Murali, Kota	Nano Devices and Technology
9.	Nath, Digbijoy N	Semiconductor devices and heterostructures, gallium nitride (GaN) based high electron mobility transistors (HEMTs) and deep-UV photodetectors, gallium oxide deep-UV opto-electronics
10.	Rajawat, Ketan	Signal Processing in Networks
11.	Sandhan, Tushar Balasaheb	Computer Vision, Artificial Intelligence, Machine Learning
12.	Sahay, Shubham	Hardware Platforms for Neuromorphic Computing, Hardware Security Primitives, Novel Device Architectures for Scaling CMOS Technology, Analytical and Compact Modeling of Semiconductor Devices, Non-volatile Memories, and Spintronics.
13.	Sarkar, Debdeep	Antennas and Propagation, Microwaves, Applied Electromagnetics, Wireless Communication
14.	Selvarajan, Naveen Kumar	Virtualisation, Cloud-Computing, AI and Machine Learning, Kubernetes, Backup and Recovery
15.	Shrivastava, Mayank	Nanoelectronic Devices, Power Semiconductor and System on Chip
16.	Singh, Jasbir	Global Navigation Satellite Systems, Automotive Radars, Automotive Safety
17.	Sivaparkasam, Mohanasanakar	Medical devices, diagnostics and instrumentation
18.	Srivastava, Suraj	Wireless Communications and Signal Processing
19.	Supradeepa, VR	Photonics and Lasers, Optical Communications and RF Photonics
20.	Suri, Manan	Electronics & Communication Engineering
21.	Tolani, Harshita	RF/Microwave/mm-wave/Terahertz Circuits & Systems
22.	Vaze, Rahul	Wireless Communication