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| **SECTION-X**  ***(Interdisciplinary and Special Engineering Fields and***  ***Leadership in Academia, R&D and Industry)*** |
| **ACADEMIA** | | |

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| **S.No.** | | **Name** | **Year of birth** | | **Specialization** | |
|  | | Acharya, D | | | 1949 | | Production-Inventory Systems, Logistics and Supply Chain Management | |
|  | | Agarwal, GC | | | 1930 | | Photogrammetry, Cartography & Remote Sensing, Educational Technology | |
|  | | Anand, Sneh | | | 1949 | | Biomedical Instrumentation and Rehabilitation Engineering | |  |
|  | | Dube, SK | | | 1947 | | Coastal Engineering and Storm Surge Prediction | |  |
|  | | Ghosh, Ambarish | | | 1973 | | Quantum fluids; Nanoscale optical and magnetic manipulation | |  |
|  | | Guha, SK | | | 1940 | | Biomedial Engineering, Medical Physiology | |  |
|  | | Jain, PK | | | 1964 | | Manufacturing Systems and Engineering; Optimization and Simulation | |  |
|  | | Kelkar, VL | | | 1942 | | Management and Finance | |  |
|  | | Krupanidhi, SB | | | 1951 | | Epitaxial Compound Semiconductors; Device Physics & Engineering | |  |
|  | | Misra, JC | | | 1944 | | Bioengineering, Structural Engineering | |  |
|  | | Misra, KB | | | 1943 | | Reliability and Safety Engineering; Power System Engineering; Performance Engineering | |  |
|  | | Mohanty, UC | | | 1948 | | Tropical Meterology; Weather nd Climate Prediction; Regional; Climate Modelling; Monsoon Dynamics | |  |
|  | | Mukherji, S | | | 1967 | | Instrumentation; Biosensors | |  |
|  | | Munshi, P | | | 1956 | | Computer Tomography; Nuclear Safety | |  |
|  | | Nath, SK | | | 1960 | | Earthquake Seismology & Engineering-Seismic Hazard Assessment, Microzonation & Tomography; Computational Geophysics, Signal Processing & Pattern Recognition | |  |
|  | | Nath, Sunil | | | 1962 | | Biothermodynamics; Biological Molecular Machines | |  |
|  | | Pal, SK | | | 1970 | | Biomedical Instrumentation; Nanotechnology | |  |
|  | | Pradeep, T | | | 1963 | | Nanotechnology, Water Purification | |  |
|  | | Raghavan, S | | | 1972 | | Materials; Electronic Devices | |  |
|  | | Raghuwanshi, NS | | | 1962 | | Water Management; IT Application in Agriculture | |  |
|  | | Rajendran, C | | | 1960 | | Industrial Engineering; Operations & Supply Chair Management | |  |
|  | | Sahasrabudhe, Anil D | | | 1957 | | Noise and Vibration; Mechanical Design | |  |
|  | | Sarma, DD | | | 1955 | | Materials Physics and Chemistry; Nanoscience and Technology | |  |
|  | | Sen, Prasenjit | | | 1956 | | Materials Science & Engineering; Nanotechnology | |  |
|  | | Shakher, Chandra | | | 1949 | | Optical Engineering; Laser Applications and Holography | |  |
|  | | Shankar, R | | | 1961 | | Industrial Engineering and Operation Management; Decision Science | |  |
|  | | Shanker, Kripa | | | 1949 | | Supply Chain and Logistical Management; Computer-Integrated/Flexible Manufacturing Systems | |  |
|  | | Sharan, M | | | 1953 | | Environmental & Physiological Fluid Mechanics | |  |
|  | | Shukla, AK | | | 1947 | | Batteries, Fuel Cells | |  |
|  | | Singh, Kehar | | | 1941 | | Information Optics; Optical Engineering | |  |
|  | | Sirohi, RS | | | 1943 | | Optical Metrology; Coherent Optics | |  |
|  | | Srinivasan, Sampath | | | 1961 | | Materials Electrochemistry; Energy Systems | |  |
|  | | Tiwari, Manoj Kumar | | | 1962 | | Logistics and Supply Chain Management; Manufacturing Planning | |  |
|  | | VijayRaghavan, K | | | 1954 | | Molecular Biology, Genetics and Chemical Engineering | |  |
|  | | Visvesvaraya, HC | | | 1928 | | Cement and Concrete Structures, Technology Upgradation | |  |

**R&D**

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| **S.No** | | **Name** | **Year of birth** | **Specialization** |
|  | Aiyagari, V Rao | | 1947 | Science & Technology Policy and Planning, R&D Programme Management; Operations Research, Systems Analysis & Industrial Engineering Problems |
|  | Bajpai, Sanjay | | 1965 | Energy; Water |
|  | Chandra, Ashoka | | 1942 | Solid State Physics, Electronics & Communication |
|  | Gupta, Akhilesh | | 1963 | Climate Change; Atomospheric Sciences |
|  | Jayaraman, V | | 1949 | Electronic Engineering; Remote Sensing |
|  | Kiran Kumar, AS | | 1952 | Electro Optical Imaging; System Engineering |
|  | Krishna Moorty, JAR | | 1947 | Electro-Optic Instrumentation, Control Systems |
|  | Kumar, YP | | 1947 | Materials S&T; International Cooperation in S&T |
|  | Mandal, AB | | 1952 | Physical/Biophysical Chemistry, Chemical Engineering and Biotechnology; Colloids, Surfaces, Polymers, Nanomaterials, Environmental Science and Technology |
|  | Prasada Raju, DR | | 1955 | Manufacturing Engineering; Drinking Water-Purification Technologies |
|  | Roy, PK | | 1957 | Biomedical Engineering; Biomedical Image Processing |
|  | Tayal, Rajiv Kumar | | 1961 | Management of Research & Development; Process Engineering and Technology Development |
|  | Tyagi, Paritosh C | | 1932 | Environmental Management |
|  | Valiathan, MS | | 1934 | Cardiac Surgery, Prosthetic Materials |
|  | Venkata Mohan, S | | 1970 | Renewable Energy; Environmental Bioengineering |

**INDUSTRY**

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| **S.No** | | **Name** | **Year of birth** | **Specialization** |
|  | Anand,YP | | 1934 | Transportation Engineering and Management |
|  | Behera, AK | | 1954 | Agri-Business Development; Institutional Development & Management |
|  | Chandrasekaran, N | | 1963 | Global Strategy; Customer centricity |
|  | Gupta, Syamal | | 1934 | Environment and Energy; Precision Engineering |
|  | Kalyani, BN | | 1949 | Technology; International Business Cooperation |
|  | Kumar, Ranajit | | 1962 | Nuclear Engineering; Electronics Engineering |
|  | Mande, S | | 1962 | Computational Biolog, Bioinformatics |
|  | Mazumdar-Shaw, Kiran | | 1953 | Biopharmaceuticals; Affordable Healthcare |
|  | Mohanty, RP | | 1944 | Industrial Engineering; General Management |
|  | Naidu, BSK | | 1945 | Hydropower Engineering, Non-Conventional Renewable Energy |
|  | Patel, VB | | 1933 | Water Resources Projects, Water Supply |
|  | Premji, Azim Hasham | | 1945 | Software, Leadership Development |
|  | Raju, KS | | 1950 | Chemical Technology, Engineering Projects |
|  | Ramachandran, Reena | | 1941 | Chemical Technology and Management |
|  | Ramakumar, SSV | | 1963 | Energy Research; Materials Science including Nanotech |
|  | Rao, GM | | 1949 | Infrastructure; Corporate Social Responsibility |
|  | Shah, RKD | | 1939 | Power Engineering, General Management |
|  | Subramanian, K | | 1967 | Systems Biology; Bioinformatics |
|  | Sumantran, V | | 1958 | Automobile Engineering; Aerospace Engineering |
|  | Tata, Ratan N | | 1937 | Engineering Industries and Management |
|  | Verma, RB | | 1945 | Design of Submarines; Design & Development of Off highway vehicles |

**FOREIGN FELLOWSHIP**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Name** | **Year of birth** | **Specialization** |
|  | Gadgil, Ashok J. | 1950 | Environmental Engineering |
|  | Laurencin, Cato Thomas | 1959 | Chemical Engineering; Interdisciplinary Engineering |
|  | Packirisamy, M | 1964 | Micro-Nanotechnologies; Microsensors |
|  | Reddy, JN | 1945 | Applied Mechanics; Computational Methods |
|  | Williams, DF | 1944 | Biomaterials science; Tissue engineering |

**INAE YOUNG ASSOCIATES ON ROLL**

|  |  |  |
| --- | --- | --- |
| 1 | Badhulika, Sushmee | Nanomaterials, devices and circuits, Flexible and wearable nanoelectronics, electrochemical nanosensors |
| 2. | Gorthi ,Sai Siva | Biomedical Instrumentation & Optical Metrology |
| 3 | Raghvendra Sai, VV | Biomedical Engineering, Medical Sensors |
| 4 | Rengan , AK | Biomedical Engineering (Nanotechnology) |
| 5 | Ruth, D. Josephine Selvarani | Instrumentation and control Engineering |
| 6 | Sathish, M | Leather Technology |
| 7 | Sheikh, JN | Fibres & Textile Processing Technology |
| 8 | Srivastava, Rohit | Biomedical Engineering |
| 9 | Sen, Ashis Kumar | Microfluidics, MEMS |
| 10 | Yalavarthy, Phaneendra Kumar | Biomedical Engineering, Medical Imaging |