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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**

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| --- | --- | --- | --- |
|  **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 |