

ALUMNI ASSOCIATION

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Distinguished Alumnus Award



Thirumalai Venkatesan
(MSc-2Yr/PhY/1971)



Yadu Pati Singhania
(BT/CE/1977)



Sudhir Prasad
(BT/ME/1979)



Veena Sahajwalla
(BT/MET/1986)



Shiraz Naval Minwalla
(MSc-Intg/PhY/1995)



Dheeraj Pandey
(BT/CSE/1997)



Kuldip Narayan
(BT/ME/2000/IITK)

Satyendra K. Dubey Memorial Award

2015

Distinguished Alumnus Award

The Distinguished Alumnus Award (DAA) is the highest award instituted by the Board of Governors, Indian Institute of Technology Kanpur for its alumni in recognition of their outstanding achievements.

Nominations for these awards are invited through the Alumni Association website, Newsletter and other media. All nominations are received by the Secretary, Alumni Association and are evaluated by a committee constituted by the Director.

This committee comprises of the Director, IIT Kanpur as the Chair, one member of the Board of Governors, Dean of Students Affairs, one industrialist/manager, one (non-alumnus) faculty member of IIT Kanpur and Dean, Resources and Alumni. The Secretary, Alumni Association, serves as the member-secretary of the committee.

IIT Kanpur alumni have excelled in diverse fields of activity, and the DAA may be given for outstanding achievements in various pursuits. Some of the areas in which an alumnus has been awarded include entrepreneurship, management excellence, professional excellence, academic excellence and any other activity pertaining to the services of humanity at large.

Including this year's awardees, there have been 101 (one hundred one) recipients of the award. The first recipient was Shri Satish Kaura (BT/EE/66), then the Chairman and Managing Director of Samtel Color. He was conferred the award for excellence in entrepreneurship in 1989.

Satyendra K. Dubey Memorial Award

The Satyendra K. Dubey Memorial Award has been instituted by IIT Kanpur in 2005, in the memory of its alumnus Satyendra K. Dubey (BT/CE/94), former Deputy General Manager / Project Director of the Koderma Project Implementation Unit at National Highway Authority of India (NHAI).

He was tragically done to death on the morning of November 27, 2003 in Gaya, Bihar, while fighting against corruption in the National Highway Authority of India. He sacrificed his life to uphold the integrity and dignity of his profession.

The award is given to any alumnus/ alumna of any IIT who upholds the spirit of Mr. Dubey and who has distinguished himself / herself by displaying highest professional integrity for upholding human values. Nominations for the award are solicited from all IIT alumnus/ faculty/ staff.

Including this year's awardee, there have been ten recipients of the award. The first recipient of this award was Mr. Arvind Kejriwal who graduated from Mechanical Engineering Department of IIT Kharagpur in 1989.

Message from the Director, IIT Kanpur & Patron, Alumni Association , IIT Kanpur



Distinguished Alumnus Award is the highest award instituted by the Board of Governors of the Institute, given to its alumni in recognition of their achievements of exceptional merit.

I am happy that the Distinguished Alumnus Awards for the year 2015 are being conferred on Sri Yadupati Singhania, Mr Dheeraj Pandey, Mr Sudhir Prasad, Prof T Venkatesan, Prof Shiraz Minwalla, and Prof Veena Sahajwalla for their achievements extraordinaire.

Satyendra K Memorial Award for displaying professional integrity and upholding human values was instituted in 2005 by the Board of Governors of the Institute to be awarded to alumni of any of the Indian Institutes of Technology. I am happy that the award is being conferred on Mr Kuldip Narayan.

These alumni, by their outstanding accomplishments in their own areas of work, have not only made the Institute and the alumni proud, but have set benchmarks for the generations to come. I consider it a privilege to be congratulating the awardees.

On my behalf and on behalf of the Institute, I wish them and their families a very bright future. I am confident that each of them will continue their quest for excellence and reach even greater heights.

Sincerely,

A handwritten signature in green ink, appearing to be 'Indranil Manna', written in a cursive style.

Indranil Manna

Past Recipients of Distinguished Alumnus Award

- ✦ Mr Satish Kaura (BT/EE/66) for Excellence in Entrepreneurship, 1989
- ✦ Late Mr Anil Agarwal (BT/ME/70) for Outstanding Achievements in Activity pertaining to the Service of Humanity at large, 1991
- ✦ Dr Rakesh K Jain (BT/CHE/72) for the Advancement of Knowledge in Health Sciences and Technology, 1994
- ✦ Dr Uday Narayan Sinha (PhD/ME/75) for his Pioneering work and Outstanding Contributions to the Development of Computing Technology in the Country, 1994
- ✦ Dr Ashok K Chandra (BT/EE/69) for Outstanding Contributions in Computer Science Research, 1997
- ✦ Mr Umang Gupta (BT/CHE/71) for Outstanding Achievement in Information Technology and Entrepreneurship, 1997
- ✦ Dr Swaminathan Sivaram (MSc2/CHM/67) for Outstanding Contributions in Polymer Chemistry Research and its Successful Industrial Application, 1998
- ✦ Dr Jagdish (Jay) Narayan (BT/MME/69) for Outstanding Contributions and Phenomenal Academic Achievements in Materials Science and Engineering, 1998
- ✦ Mr N R Narayan Murthy (MT/EE/69) for Creating and building an Outstanding Entrepreneurial Venture and putting India on the International Software Map, 1998
- ✦ Mr Saurabh Srivastava (BT/ME/68) for the Outstanding Contributions to the Information Technology Industry and Achievements in Entrepreneurship, 1999
- ✦ Dr Arvind (BT/EE/69) for Outstanding Contributions in the field of Computer Science Research, 1999
- ✦ Dr Prabhakar Goel (BT/EE/70) for Entrepreneurship, Outstanding Technological Contributions and above all Valuable Community Service and Support in the area of Education to Needy Students in India, 1999
- ✦ Dr Ashoke Sen (MSc2/Phy/78) for Being one of the Most Outstanding Theoretical Physicists in the World, 1999
- ✦ Mr Rakesh Gangwal (BT/ME/75) for Outstanding Managerial Career and Ongoing contribution to the world of Aviation industry, 2000
- ✦ Dr Ashok Jhunjunwala (BT/EE/75) for the Undoubtable Spirit, Vision and Dedication in the area of Internet Enabling technologies, 2000
- ✦ Mr Som Mittal (BT/MME/73) for outstanding Managerial Career in different Industries as diverse as Automotive to Information Technology, 2000
- ✦ Dr Padmanabhan Balaram (MSc2/CHM/69) for exemplary Zeal and Dedication to Science in general and to his field of research in particular, 2000
- ✦ Mr Jagjeet S Bindra (BT/CHE/69) for Outstanding Technological and Exceptional Managerial contributions to the Petroleum Industry 2001
- ✦ Dr Sartaj K Sahani (BT/EE/70) for Outstanding and Seminal Contributions in the field of Computer Science and Engineering, 2001
- ✦ Mr Deepak Bhagat (BT/EE/73) for his Outstanding Managerial Skills and his Role in Building Institute Alumni relationship of Very High Order, 2001
- ✦ Dr Pradeep S Sindhu (BT/EE/74) for Outstanding Contributions in developing Path Breaking Architecture Design and internet backbone Router Technologies and using them to setup and manage world class internet companies, 2001
- ✦ Dr Rajendra Singh (BT/EE/75) for outstanding and seminal contributions in Developing Wireless Mobile Radio Communication Technologies and using them to Set and Managing companies of truly International standards, 2001
- ✦ Mr Arvind Kumar Gupta (BT/EE/75) for outstanding contributions in developing low cost science based teaching aids for children and thus rendering great service to the humanity at large, 2001
- ✦ Mr Ajoy Kumar Bose (BT/EE/71) in Recognition of his Outstanding contributions in the field of Electronic Design Automation (EDA) and Setting up and Managing companies of truly International Standards 2002
- ✦ Dr Mriganka Sur (BT/EE/74) in Recognition of his Outstanding and seminal contributions in the field of Brain and Cognitive Sciences 2002
- ✦ Mr Lalit K Jalan (BT/EE/79) in Recognition of his Outstanding Managerial contributions in the area of Chemical Processing Industry 2002
- ✦ Mr Mahesh Bihari Lal (BT/CHE/69) for his outstanding and all round contributions to the Petroleum Refining Industry in India, 2003
- ✦ Prof K VijayRaghvan (BT/MT/CHE/75/77) for his outstanding contributions in the field of Biological Sciences, 2003
- ✦ Prof Sandip Tiwari (BT/EE/76) for his phenomenal contributions in the field of Microelectronics and Nano-fabrication Technologies, 2003
- ✦ Mr Mohan Arvind Tambe (BT/EE/80 & MT/CSE/83) for his outstanding contributions in the field of Information and Communication Engineering, 2003
- ✦ Prof Manindra Agrawal (BT/PhD/CSE/86/92) in recognition of his outstanding contributions to the field of Computational Complexity theory and for developing a polynomial time algorithm for primality testing, 2003

- ✦ Mr Neeraj Kayal (BT/CSE/02) in recognition to his contribution to the development of a Polynomial Time Algorithm for primality testing. 2003
- ✦ Mr Nitin Saxena (BT/CSE/02) in recognition to his contribution to the development of a Polynomial Time Algorithm for primality testing. 2003
- ✦ Mr Suresh Pandey (BT/MME/65) for his outstanding and all round contributions to the Steel Industry of India. 2004
- ✦ Mr Amitabh Srivastava (BT/EE/79) for his outstanding and phenomenal contributions towards software development recognized by the international community. 2004
- ✦ Late Mr Satyendra K Dubey (BT/CE/94) in recognition of his honesty, integrity, dedicated service and upright behavior in public life. 2004
- ✦ Dr Ajay Kumar (PHD/AE/74) for his outstanding and phenomenal contributions to the world of aviation industry and especially for his significant contribution in the development of X-43A, a hypersonic scramjet-powered research aircraft designed to fly at a speeds up to Mach 10. 2005
- ✦ Dr Pawan Kumar Goenka (BT/ME/75) for his outstanding and all round contributions in the field of Automotive Design, Engine Lubrication and Tribology. 2005
- ✦ Mr Abhay K Bhushan (BT/EE/65) for Excellence in Entrepreneurship and his outstanding & all round contributions to social activities. 2006
- ✦ Mr Pawan Kumar (BT/CE/69) for Excellence in Entrepreneurship. 2006
- ✦ Mr Pradeep Jotwani (BT/ME/75) for his outstanding Managerial Career and Ongoing contribution to the world of Information Technology. 2006
- ✦ Dr Ambuj Goyal (BT/EE/78) for his outstanding Managerial Career and Ongoing contribution to the world of Information Technology. 2006
- ✦ Late Rajiv Motwani (BT/CSE/83) for his Outstanding Contributions and Academic Achievements in the field of Computer Science and Engineering. 2006
- ✦ Prof Vijay Mahajan (BT/ChE/70) in recognition of his Outstanding and seminal contributions to Academics and specifically in the area of Management Studies. 2006
- ✦ Prof Umesh Mishra (BT/EE/79) for his outstanding and seminal contributions to field of Semiconductor and Solid State Devices. 2006
- ✦ Mr Ravi Akhouri (BT/EE/68) for his outstanding Managerial Career and Ongoing contribution to the world of Information Technology. 2007
- ✦ Mr Narendra Kumar Harihar Kale (MT/CSE/76) for Excellence in Entrepreneurship. 2007
- ✦ Dr Rajiv Desai (BT/ME/82) for his outstanding entrepreneurial and managerial skills. 2007
- ✦ Prof Ashutosh Sharma (BT/CHE/82) for his Outstanding Contributions and Academic Achievements in the field of Chemical Engineering. 2007
- ✦ Mr Rajeev Chawla (BT/EE/84) for his significant contribution to bring about an e-governance revolution in the country. 2007
- ✦ Prof Arup K. Chakraborty (BT/CHE/83) for his outstanding contributions to the field of Chemical Engineering 2008
- ✦ Prof Ashok Misra (BT/CHE/68) for his outstanding managerial contributions and contributions to the field Chemical Engineering. 2008
- ✦ Mr Ashok Sinha (BT/EE/73) for his outstanding managerial contributions. 2008
- ✦ Mr Harsh Manglik (BT/ME/70) for his outstanding managerial contributions. 2008
- ✦ Prof Jitendra Malik (BT/EE/80) for his outstanding contributions to the field of Computer Science and Engineering. 2008
- ✦ Dr Ravi Sethi (BT/ME/68) for his outstanding technological and managerial contributions. 2008
- ✦ Mr Shantanu Srivastava (BT/ME/77) for his outstanding entrepreneurial contributions and for promoting Indo-Vietnam relations, 2009.
- ✦ Dr Devendra K Shukla, (BT/CE/67) for his outstanding entrepreneurial and managerial skills 2009.
- ✦ Dr D. Subbarao (MSC2/PHY/73) Governor, Reserve Bank of India, for his outstanding managerial contributions 2009.
- ✦ Mr Manoj Pratap Singh (BT/EE/74) for his outstanding managerial contributions, 2009.
- ✦ Dr Udai P Singh (BT/CE/72) for his outstanding and all round contributions to the field of Environment and civil engineering, 2009.
- ✦ Prof Arun Shukla (BT/ME/76) for his outstanding contributions and academic achievements in the field of Experimental Mechanics, 2009.
- ✦ Dr Shreesh Jadhav (BT/PhD/CSE/89/95) in recognition of is dedicated service to humanity at large, 2009
- ✦ Late Mr Vishnu Chandra Varshney (BT/EE/69) for his outstanding pioneering entrepreneurial contributions in establishment of Venture Capitalism in India. 2010
- ✦ Dr Rathin Datta (BT/CHE/70) for his outstanding contributions in development and implementation of various facets of bio-technology. 2010
- ✦ Prof Vinay Pal Aneja (BT/CHE/71) for his outstanding contributions and academic achievements in the field of Environmental Science and Technology. 2010
- ✦ Mr Anupam Khanna (BT/EE/74) for his outstanding professional achievements in the fields of public policy and infrastructure management. 2010
- ✦ Mr Sudhir Vyas (BT/EE/75) for his outstanding achievements in managing the diplomatic relations of India with several countries. 2010
- ✦ Mr Anil Kumar Chopra (BT/CHE/76) for his outstanding entrepreneurial contributions in the field of petroleum, software and energy, as well as service to society in promoting education. 2010
- ✦ Mr David B K Thomas (BT/ME/77) for his outstanding contributions and selfless service towards empowerment of women. 2010
- ✦ Mr Muktesh Pant (BT/CHE/76) for his outstanding professional achievements in several facets of company management. 2010
- ✦ Mr Sudhakar Kesavan (BT/CHE/76) for his outstanding professional achievements in the field of environment and climate change consultancy. 2010
- ✦ Ms Neera Tandon (BT/CHE/81) for her outstanding entrepreneurial contributions in the field of wireless network technologies. 2010

- ✦ Prof Arun Kumar Ghosh (MSC2/CHM/81) for his outstanding contributions academic achievements in the field of discovery of drugs for AIDS. 2010
- ✦ Prof Jainendra Kumar Jain (MSC2/PHY/81) for his outstanding contributions and academic achievements in the field of composite fermions. 2010
- ✦ Mr B V R Mohan Reddy (MT/ME/74) for his outstanding entrepreneurial and managerial skills. 2011
- ✦ Mr Mahesh Gupta (BT/ME/75) for his outstanding entrepreneurial and managerial skills. 2011
- ✦ Mr Gaurav Gupta (BT/EE/87) for his outstanding managerial skills. 2011
- ✦ Mr Satya Pal Singh Chauhan (BT/CHE/68) for his outstanding contributions to the field of Research and Development. 2011
- ✦ Prof Yogendra Kumar Joshi (BT/ME/79) for his outstanding contributions and academic achievements. 2011
- ✦ Prof Sandip P Trivedi (MSC5/PHY/85) for his outstanding contributions and academic achievements. 2011
- ✦ Shri Sunil Singhal (BT/CHE/71) for his outstanding entrepreneurial and managerial skills and contributions to the sugar industry. 2012
- ✦ Prof Rakesh Agarwal (BT/CHE/75) for his outstanding contributions and innovations in the field of energy efficiency. 2012
- ✦ Shri Vasudev Chanchlani (MT/IME/76) for his outstanding entrepreneurial skills, philanthropic activities and providing strategic direction in business development. 2012
- ✦ Prof Jayathi Y Murthy (BT/ME/79) for her outstanding contributions and academic achievements in the field of computational heat transfer and fluid mechanics. 2012
- ✦ Mr. Keshav Pingali (BT/EE/78) for outstanding contributions in the field of computer science and engineering. 2013
- ✦ Mr. Kamal K Sharma (BT/CHE/69) his outstanding leadership in management and contributions to the pharmaceutical industry. 2013
- ✦ Mr. Bhadresh K Shah (BT/MSE/75) for excellence in entrepreneurship. 2013
- ✦ Prof. Sumant Nigam (MSC5/PHY/78) for outstanding contributions in the area of atmospheric and ocean sciences. 2013
- ✦ Mr. Naveen Tewari (BT/ME/00) for excellence in entrepreneurship. 2013
- ✦ Mr. Amit Gupta (BT/ME/00) for excellence in entrepreneurship. 2013
- ✦ Mr. Abhay Singhal (BT/EE/01) for his excellence in entrepreneurship. 2013
- ✦ Prof. Vijay Kumar (BT/ME/83) for his outstanding contributions to the area of control and coordination of multi-robot formations. 2014
- ✦ Prof. Dipankar Das Sarma (MSc5/PHY/77) for his outstanding contributions in understanding the structure and properties of condensed matter employing synchrotron radiations. 2014
- ✦ Prof. Jayadev Misra (BT/EE/69) for his outstanding contributions in the field of Computer Science and Engineering in the area of concurrent programming. 2014

Past Recipients of Satyendra K. Dubey Memorial Award

- ✦ Mr Arvind Kejriwal (BT/ME/89/IITKGP) for his campaign for bringing transparency in the working of government & public institutions and for getting the Right to Information bill passed for the benefit of society at large, 2005
- ✦ Prof Ganesh P Bagaria (BT/MT/EE/IITK/82/85) for his contributions to humanistic and value based education, 2006
- ✦ Mr Anubrotto Kumar Roy (BT/MT/CHE/IITB/67/69) for his outstanding work in rural development and spreading environmental awareness, 2008
- ✦ Late Mr. Lalit Kishore Chaudhary (BT/ME/86/IITK) Awarded posthumously for his courage and upright behavior, 2009
- ✦ Mr. Vijay Saluja (BT/CE/68/IITD) for his honesty, integrity and for his efforts in fighting corruption, 2009
- ✦ Mr. Shailesh Ramkumar Gandhi (BT/CE/69/IITB) in recognition of his exemplary dedication in spreading communal harmony and leading the right to information campaign, 2010
- ✦ Mr Sanjeeb Kumar Patjoshi (MT/EE/88/IITK) for his exemplary dedication in maintaining the highest professional integrity in upholding human values, 2011
- ✦ Mr Rahul Sharma (BT/EE/87/IITK) for his exemplary devotion to duty and maintaining the highest level of professional integrity, 2012
- ✦ Prof. Trilochan Sastry (BT/IITD/1980) for his contributions in bringing transparency to public life. 2013

Thirumalai Venkatesan

(MSc-2Yr/Phy/1971)

Prof Thirumalai Venkatesan obtained his Master of Science (2Yrs) in Physics from Indian Institute of Technology Kanpur in 1971. Subsequently he did his Ph D from the University of New York.

Prof Venkatesan spent 17 years at Bell Labs/ Bellcore as scientist/research manager, 17 years as Professor of Electrical and Computer Engineering, Physics at the Center for Superconductivity at University of Maryland. In 2008, he founded the Nano Institute at NUS Singapore where he is the Provost Chair Professor of Electrical and Computer Engineering, Physics, MSE and NGS Departments and the Director of NUS Nano Science and Nano Technology Institute (NUSNNI). He was also the founding Director of the Surface Modification Lab at Rutgers University.

Prof Venkatesan pioneered the Pulsed Laser Deposition (PLD) process in its application to thin films of complex oxides and related materials, which has transformed research on multi-component films/heterostructures globally. Starting with high-quality films of high-temperature cuprate superconductors, it has since been used to make magnetoresistive manganites, ferroelectrics, dilute magnetic oxides, oxide-photocatalysts, bioactive substrates and multiferroic heterostructures that can be integrated with silicon electronics.

Prof Venkatesan has made and continues to make seminal contributions in all these areas and his current research interest spans oxides for electronics, memory, photonics, energy and health. He has published over 650 papers in refereed journals, has over 30 patents, and is an ISI highly cited Physicist (ranked 66 globally in 1989) with over 33,500 citations (h-index of 94 as per Google Scholar). He has graduated over 45 PhDs, 30 Post Docs and over 30 undergraduate students. He and his team over the years have generated research funding in excess of 100 Million US dollars.

Prof Venkatesan is the winner of the George Pake Prize of the American Physical Society (2012), IPS President's Gold Medal, Bellcore Award of Excellence, University of Maryland Graduate Board award. He is a Fellow of the American Physical Society, World Innovation Forum, Honorary Guest Professor at Tsinghua University (Beijing) and Academician of Asia-Pacific Academy of Materials.

Prof Venkatesan was a Member of APS Physics Policy Committee in Washington DC (2003-2005), Vice Chair and Chair of Forum on Industry and Applications of Physics (FIAP) at APS, Member of Greater Washington-Baltimore Indian CEO Society, Advisory Board of University of Maryland (MD) incubator and its Board of Visitors. He has organized numerous symposia in the area of oxides, with APS, MRS, ICMAT, ICYRAM, SPIE, co-founded the International Workshop on Oxide Electronics with Koinuma and Kawasaki and is an organizing Committee member of IUMRS, ICMAT (2011-2015) Singapore and MRS 2016.

Prof Venkatesan is also the Founder- Chairman of Neocera, a Maryland company specializing in Pulsed laser deposition and test systems with sales in over 36 countries globally. His research team members have started over 18 commercial enterprises.



The Distinguished Alumnus Award of IIT Kanpur is being conferred upon Prof T Venkatesan for his outstanding contributions in Physics and Materials Science.

Yadu Pati Singhanian

(BT/CE/1977)

Mr. Yadu Pati Singhanian obtained his B.Tech. degree in Civil Engineering from IIT Kanpur in 1977.

Mr. Yadu Pati Singhanian set up a White Cement Plant using limestone by dry process for the first time ever in the world in the year 1984. J.K. White Cement became the first manufacturing entity in the world to install Fuzzy Logic System to computerize kiln operations in the year 1987.

Currently he is the Chairman and Managing Director of J.K. Cement Ltd., Kanpur– an affiliate of the J.K. Organization. Today J.K. Cement is a multi-locational cement manufacturer with a presence both in grey and white cement segments. Its five plants across Rajasthan and Karnataka have a combined grey cement capacity of 10 MnTPA and a white cement capacity of 0.60 MnTPA. The Company also has a captive power generation capacity of more than 100 MW spread across its plants. The company has extended its manufacturing capacity overseas at Fujairah (UAE) in 2014 which is a dual process plant having ability to produce both grey and white cement. J.K. Cement Ltd. at present, is the second largest producer of white cement in the world.

Besides his major involvement with J K Cement, he has been closely associated with several professional and social organizations like Kanpur Productivity Council, National Council for Cement and Building Materials, Cement Manufacturers Association, Rotary Club, Environmental Protection and Productivity Trust, Uttar Pradesh Cricket Association, Kanpur, etc. He has been very active in promoting education in various parts of country. This is reflected in his deep association with Lala Kamlapat Singhanian Education Centre-Gotan; Sir Padampat Singhanian University-Udaipur; Dr. Gaur Hari Singhanian Institute of Management & Research (GHS-IMR), Kanpur; J.K. Centre for Technician Training, Kanpur; Regional Training Centre, Nimbahera and JK Industrial Training Centre, Kanpur. He has also made significant contribution and held important posts in various Industrial Forums and Merchant Chamber in the past

As a successful entrepreneur and visionary he has been instrumental to the introduction of international quality white cement in the country and has contributed significantly in evolving India's cement industry for over three decades.

Mr Yadu Pati Singhanian is conferred upon the Distinguished Alumnus Award of Indian Institute of Technology Kanpur for his outstanding enterprising skills to found and revolutionize the white cement industry in the country.



Sudhir Prasad

(BT/ME/1979)

Mr. Sudhir Prasad obtained his B. Tech degree in Mechanical Engineering from IIT Kanpur in 1979. He joined the Indian Administrative Service (IAS) in 1981, after a brief tenure in Steel Authority of India Limited (SAIL) and Indian Railways.

Mr. Prasad's works primarily consist of technological interventions to facilitate Rural Development, Government System Reforms, Institution Building and Capacity Building of Rural Communities. He has spearheaded several initiatives during his distinguished career. As Deputy Development Commissioner, Hazaribagh, between 1985-1987, Mr. Prasad conceptualised a dedicated Producer Group based Self Employment Generation program under Integrated Rural Development Project (IRDP) using training facility under Training Rural Youth For Self Employment (TRYSEM) supporting a large number of households to achieve sustainable livelihood security. As Deputy Commissioner, Hazaribagh, again between 1993-94, he commissioned a detailed study on factors negatively affecting primary education in the district.

During the period 1989-93, Mr. Prasad successfully implemented computerisation of government treasury in Siwan and Ranchi districts of the then Bihar State. This resulted in speedy submission of treasury accounts and the initiative was replicated across the State. Prasad revived Ranchi Municipality through revision of holding taxes, and Tax and Revenue Reform.

During the years 2001-2004, as Secretary of Energy Department, Government of Jharkhand (GoJ), Mr. Prasad was instrumental in formation of Jharkhand Electricity Regulatory Commission and also of Jharkhand Renewable Energy Development authority. During the years 2007-2010, Mr. Prasad, then Principal Secretary, Department of Registration, GoJ was instrumental in converting manual land registration procedures to web based online registration that was for the first time in the country. A real-time registration process came into force and the registration time of property reduced significantly. The innovation also helped the State in raising its revenue from registration by 38% annually in 2010, as Principle Secretary, Department of Science and Technology, GoJ, Mr. Prasad established a Science Museum under National Council of Science Museum in Ranchi.

As Additional Chief Secretary to the Department of Drinking Water and Sanitation, (GoJ) between 2010-15, Mr. Prasad started a scheme with community involvement in Water, Sanitation and Hygiene (WASH) by ensuring end users' participation in decision making. Mr. Prasad has developed a set of protocols for hydro geological study using Participatory Aquifer Management in the most challenging eco-geographical locations in the state of Jharkhand which is naturally possessed by an undulating terrain. This helps to indicate water availability before any water supply scheme is sanctioned unbiased.

Mr. Prasad was also instrumental in piloting Aerobic and Anaerobic Bio Toilet Facilities in the state for the first time. He took up a "go green" initiative during his various tenures in the government office and developed a code book of sustainable practices to institutionalize them, that includes judicious usage of resources such as paper, electricity, water within government departments to put preaching into practice. Mr. Sudhir Prasad is an Indian Administrative Service (IAS) Officer of the Jharkhand Cadre and presently serves as the Director General, Administrative Training Institute, Government of Jharkhand.



The Distinguished Alumnus Award -2015 is being conferred upon Mr. Sudhir Prasad for his management excellence in public governance.

Veena Sahajwalla

(BT/MET/1986)

Prof Veena Sahajwalla obtained her B.Tech. degree in Metallurgical Engineering from IIT Kanpur in 1986. Subsequently she earned her MASc (1988) in Metals and Materials Engineering from University of British Columbia, Canada and Ph.D. (1992) in Materials Science and Engineering from University of Michigan, USA. After a brief stint (1992-94) as Research Scientist in CSIRO Division of Mineral and Process Engineering, Dr. Sahajwalla joined University of New South Wales, Australia in 1994 where she is currently Scientia Professor in the School of Materials Science and Engineering. She is also the Associate Dean (Strategic Industry Relations) faculty of Science at UNSW Australia and is also associated with Australian Research Council as its Laureate Fellow. Professor Veena Sahajwalla is the Founding Director of the Centre for Sustainable Materials Research and Technology (SMaRT).

Prof Sahajwalla is an internationally respected scientist and engineer. Her research focuses on the sustainability of materials and processes with an emphasis on environmental and community benefits. One of her most celebrated achievements is the invention of a process of recycling plastics and rubber tyres in steelmaking, now known around the world as green steel.

Prof Sahajwalla has successfully collaborated with several companies and institutions in Australia and overseas. She has established strong partnerships that have enriched the knowledge of industrial processes and problems. As the Director of the SMaRT Centre, she has provided leadership for research programs on sustainable materials, placing a strong emphasis on the skills and knowledge that are urgently needed to enhance sustainability. Dr. Sahajwalla is passionate about science and engineering and continues to play a very active role in communicating her ideas to industry, government, students and the wider community. Prof Sahajwalla has presented widely on her research and experiences in Australia and overseas and has published in excess of 250 papers in leading scientific journals

Prof Sahajwalla has received several awards and recognitions for her work. Some of these include Eureka Prize (2005), Pravasi Bhartiya Samman for outstanding achievement in Science (2011), Telstra National Award for Business Innovation (2011), CRC Australian Collaborative Innovation Award (2012); Overall winner of the Australian Innovation Challenge (2012), Howe Memorial Award by AIST (2013) and Sydney Engineers Excellence Award (2014).

Prof Sahajwalla's research is recognized for changing the way the properties of carbon-bearing materials are understood, including coals, cokes, graphites, plastics and rubber. Her work has had significant impact on the theory and practices that form the basis of operations of the iron-making, steel-making and ceramics industries. Of particular importance is her demonstration that waste plastics and waste rubber can be partial replacements for coal and coke in steel-making. Professor Sahajwalla's unique focus on the evolution of properties in high-temperature conditions has not only advanced scientific understanding of materials processing, but has provided cost-effective opportunities for industries to move towards sustainable and environmentally friendly production methods.

The Distinguished Alumnus Award 2015 is being conferred upon Professor Veena Sahajwalla in recognition of her outstanding contributions in the field of materials processing for sustainable development.



Shiraz Naval Minwalla

(MSc-Intg/Phy/1995)

Professor Shiraz Naval Minwalla obtained his MSc-Integrated degree in Physics from IIT Kanpur in 1995. He was a President Gold Medallist at IIT Kanpur. Subsequently, he did a PhD in 2000 from Princeton University and joined Harvard University as Assistant Professor in 2001. In 2003, he moved back to India to join Tata Institute of Fundamental where he is currently a Professor.

Professor Minwalla has made pioneering contributions to the study of quantum field theory, gravity and their inter relationship via the AdS/CFT correspondence of string theory. In a seminal work Professor Minwalla has uncovered a deep connection between the equations of fluid dynamics and Einstein equations of general relativity. He has demonstrated that the nonlinear equations of gravity with a negative cosmological constant reduce, in a certain long wavelength sector, to the relativistic Navier-Stokes equations with gravitationally determined values of dissipative parameters. This beautiful discovery unifies two of the best-studied nonlinear partial differential equations in physics, and holds out the potential of using techniques in one field to study important unsolved questions in the other. It has already led to the discovery of new terms in the equations of charged relativistic hydrodynamics, the so called chiral vorticity and chiral magnetic terms, that have potentially observable consequences.

Very recently Professor Minwalla and collaborators have demonstrated that the equations of classical black hole physics in a large number of dimensions may be recast as fascinating new dynamical equation for a membrane in flat space. Professor Minwalla's new membrane equations are a well posed initial value problem for membrane shape and velocity field. The implications and applications of this discovery are still being worked out.

He is a recipient of many awards and honours including Infosys Prize (2013), New Horizons in Physics prize (2013), Nishina Asia Award (2013), Shanti Swarup Bhatnagar Prize (2011), ICTP Prize (2010), and Swanrajayanti Fellowship (2007). He is also a fellow of the Indian Academy of Sciences.



Professor Shiraz Minwalla is receiving the Distinguished Alumnus Award for his outstanding contributions in the field of theoretical physics.

Dheeraj Pandey

(BT/CSE/1997)

Mr Dheeraj Pandey obtained his B. Tech. degree in Computer Science and Engineering from Indian Institute of Technology (IIT), Kanpur in 1997, where he was adjudged the Best All Rounder among Graduating Students in all Disciplines. After his Bachelor's degree, Dheeraj obtained a Masters' degree in Computer Science from The University of Texas at Austin.

Dheeraj is Co-Founder and the Chief Executive Officer of Nutanix. Nutanix is now seen as one of Silicon Valley's most promising companies. Nutanix is in the business of cloud data centers. The "Nutanix Xtreme Computing Platform" allows enterprises to store their data remotely on a flexible number of servers as it scales. The Nutanix solution uses commodity computing servers which each run a standard hypervisor and the Nutanix Operating System (NOS). Each server contains Intel processors, memory, solid-state drives and traditional hard drives, and when added into a cluster aggregates storage resources into a single storage pool. Capacity and compute nodes can be added incrementally leading to a scalable design.

In Silicon Valley parlance, Nutanix is a Unicorn. The term refers not to the mythical beast but a private company that has a valuation of more than \$1 billion. Nutanix, set up in 2009, crossed this milestone in January 2014, within four years of its start, and only within two years of selling. It was valued again at \$2 billion in August 2014. Nutanix raised \$241 million in two successive rounds D and E from investors and venture capitalists, such as Riverwood Capital, SAP Ventures, Morgan Stanley Expansion Capital, Goldman Sachs, Greenspring Associates, Khosla Ventures, Lightspeed Ventures and a few others.

Dheeraj has over 12 years of experience working at enterprise technology companies. Prior to founding Nutanix, Dheeraj was Vice-President of Engineering at Aster Data where he built the engineering team from ground up, overseeing the development of multiple releases of the product. Prior to Aster Data, Dheeraj was at Oracle where he managed development of storage engine for Oracle Database and Oracle Exadata.



Mr Dheeraj Pandey is conferred upon the Distinguished Alumnus Award of Indian Institute of Technology Kanpur for his outstanding enterprising skills to found and operate the world's one of the most promising enterprises in the field of development and delivery of invisible computing infrastructure comprising storage, computation and virtualization.

Kuldip Narayan

(BT/ME/2000/IITK)



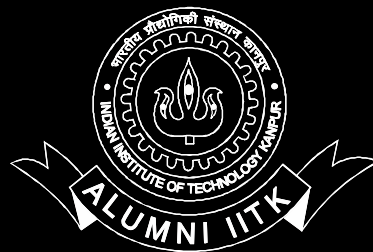
Mr Kuldip Narayan obtained his B.Tech. degree in Mechanical engineering from IIT Kanpur in 2000. He joined Indian Administrative Services in 2005 in Bihar State cadre. He has held several positions and has put in his best efforts for an increased transparency in government transactions. As District Magistrate of Gopalganj in 2010, he started a move against bribe that led to arrest and imprisonment of several senior officers. In 2011 as District Magistrate of Chhapra, he set an example by voluntarily declaring details of all his movable/immovable assets and liabilities. Subsequently, the Government of Bihar made it mandatory for all officers and employees to file return of their assets and liabilities. As District Magistrate of Munger he launched a comprehensive scheme to improve delivery mechanism in MNREGA, and Health Department and Public Distribution System by innovatively using technologies including GPS and integrated MIS. His initiatives were later adopted by the Rural Development and Food and Civil Supplies Departments for implementation across the state.

As Patna Municipal Commissioner (PMC) (April 2013- Jan 2015), through a simple system of eDak, he made all correspondences internal or external in corporation available on its website for public viewing and scrutiny thus bringing huge transparency. He made all tax data and transactions online using simple tools of IT and networking. These initiatives reduced opportunities of discretion and corruption. All these efforts for probity and transparency did not just bring laurels to him but at times criticism and hindrance from vested interests as well.

In a Public interests litigation (PIL) monitored by Patna High Court about illegal construction violating Master Plan and Building bye laws, despite threats he went against the tide with determination to enforce laws in letter and spirit. He brought sense and discipline in the concerned sectors by strict enforcement of building bye-laws. In this duration there was a ban on his transfer from Patna Municipal Corporation by order of Patna High Court as also affirmed by Supreme Court in appeal. While it brought appreciation to him from the general public, it fetched enormous opposition, obstruction and threats from vested interests. In order to deal with Mafiosi nexus he had to face adverse situation but he did surpass the same with fortitude and courage. It did cost him with a few months of mental trauma and hard phase professionally but he showed strength of character during this assignment.

For the conduct of Legislative Assembly Elections 2015, for his honesty and integrity, at the direction of Election Commission, he is at present posted as District Magistrate of Madhubani.

For his efforts to promote probity and transparency in public service and exemplary dedication in maintaining the highest professional integrity in upholding human values, the Satyendra K Memorial Award being conferred upon Mr Kuldip Narayan.



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