

भारतीय प्रौद्योगिकी संस्थान कानपुर
Indian Institute of Technology Kanpur



संस्थान स्थापना दिवस INSTITUTE FOUNDATION DAY

बुधवार, 02 नवंबर 2022
WEDNESDAY, 02 NOVEMBER 2022



**Distinguished
Alumnus Award**

**Distinguished
Services Award**

**Young Alumnus
Award**

**Satyendra K. Dubey
Memorial Award**

the 1990s, the number of people in the UK who are aged 65 and over has increased from 10.5 million to 13.5 million, and the number of people aged 75 and over has increased from 5.5 million to 7.5 million (Office of National Statistics 2000).

There is a growing awareness of the need to develop strategies to meet the needs of the ageing population. The Department of Health (1999) has published a strategy for ageing, which sets out the government's commitment to improve the lives of older people. The strategy is based on the following principles: older people should be able to live independently, safely and comfortably; older people should be able to participate in the life of their community; and older people should be able to access the services and support they need.

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Distinguished Alumnus Award

The Distinguished Alumnus Award (DAA) is the highest award given by IIT Kanpur to its alumni in recognition of their outstanding achievements. Every year, the institute works with its alumni to identify and honour individuals who have made stellar contributions in their respective fields of expertise and left a global imprint. Since 1989, this honour has been bestowed upon a total of 135 alumni for their Academic Excellence, Professional Excellence, Entrepreneurship and Management Excellence, and activities pertaining to the service to humanity.

Distinguished Services Award

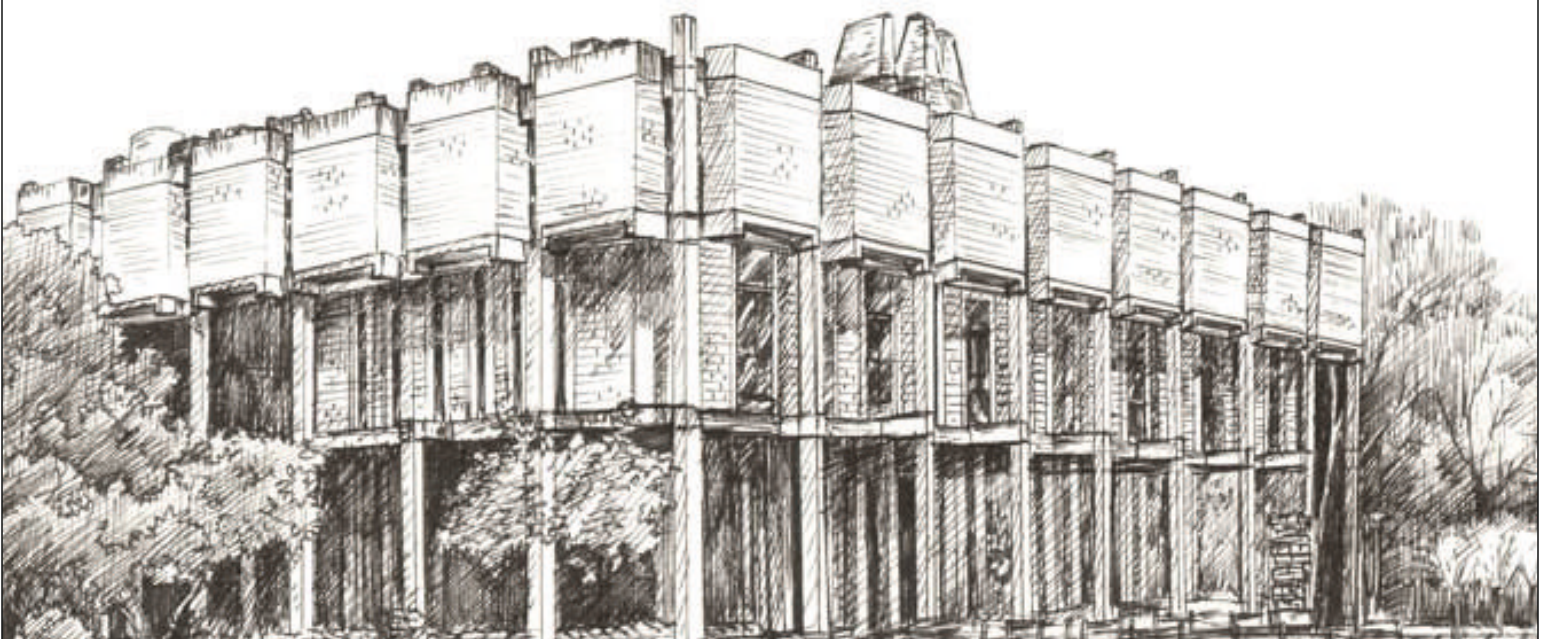
The Distinguished Services Award (DSA) is to recognize the efforts of alumni doing exemplary service to further the institute's stature and standing. These individuals act as an army of invisible goodwill ambassadors in various fields, to augment and support institute's efforts in various ways like facilitating project collaborations, academic collaborations, industry collaborations, alumni interaction, student workshops, student mentoring, summer projects, fundraising, placements, etc.

Young Alumnus Award

The Young Alumnus Award (YAA) is to recognize those alumni who are less than 40 years of age, and have contributed significantly to achieve exemplary recognition and distinguish themselves during the early stages of their career in their chosen domain bringing glory to their alma mater.

Satyendra K. Dubey Memorial Award

Satyendra K. Dubey Memorial Award (SKDA) has been instituted by IIT Kanpur in the memory of its alumnus, Late Mr. Satyendra K. Dubey (BT/CE/1994) who sacrificed his life while upholding the integrity and dignity of his profession. Every year, the SKDA is conferred to an alumnus of any IIT who has distinguished himself by displaying the highest professional integrity in upholding human values. Since 2005, this honour has been bestowed upon IIT alumni.



DISTINGUISHED ALUMNUS AWARD



Mr. Rajendra Bhattarai
(BT/CE/1976)



Mr. Ranodeb Roy
(BT/CSE/1990)



Prof. Sanjay Ranka
(BT/CSE/1985)



Mr. Alope Bajpai
(BT/EE/2001)



Mr. Deepak Dev Raj
(BT/EE/1970)



Prof. Ratnesh Kumar
(BT/EE/1987)



Dr. Ruchir Puri
(MT/EE/1990)



Dr. Smita Agarwal Hashim
(BT/EE/1986)



Prof. Vivek Sarkar
(BT/EE/1981)



Dr. Anil K. Rajvanshi
(BT/MT/ME/1972/1974)



Prof. Deepak Dhar
(MSC2/PHY/1973)

DISTINGUISHED SERVICES AWARD



Mr. Srikant Sastri
(BT/CHE/1983)



Mr. Rajiv Swarup
(BT/EE/1973)

YOUNG ALUMNUS AWARD



Dr. Mohit Kumar Jolly
(BT/MT/BSBE/2010/2012)



Prof. Deepak Pathak
(BT/CSE/2014)

SATYENDRA K. DUBEY MEMORIAL AWARD



Mrs. Neha Verma
(BT/CHE/1998)

DISTINGUISHED ALUMNUS AWARD



MR. RAJENDRA BHATTARAI
(BT/CE/1976)

President, Clean Water Strategies
University of Texas, Austin, U.S.A.

Mr. Rajendra Bhattarai received his bachelor's degree in Civil Engineering from IIT Kanpur in 1976 and subsequently completed his master's degree in Environmental Health Engineering from the University of Texas at Austin in 1980. He worked at the Texas Department of Water Resources from 1980 to 1984, and at Austin Water of the City of Austin from 1984 to 2018. His work at Austin Water led to dramatic improvements in Austin's water quality and wastewater management and has been recognized globally. Since 2018, he has been the president of Clean Water Strategies where he continues to offer his expertise to communities for water quality improvement throughout the world.

Mr. Bhattarai was a visiting professor of Civil Engineering at IIT Kanpur from 2019 to 2021. He served as the president of the Water Environment Association of Texas and of the Texas Association of Clean Water Agencies, and as a board member of the Water Environment Federation, the National Association of Clean Water Agencies, and the Water Environment Research Foundation, where he also chaired the Research Council.

Mr. Bhattarai's exemplary professional achievement, stature, and contributions to the global water environment have been honored by numerous awards. He is the recipient of the George Bradley Gascoigne Medal and the Arthur Sidney Bedell Award from the Water Environment Federation; the Lifetime Achievement Award, the Earnest F. Gloyne Pillars of the Profession Award, and the Winfield S. Mahlie Award from the Water Environment Association of Texas for "significant contributions to the art and science of wastewater treatment and water pollution control"; and the National Environmental Achievement Award from the National Association of Clean Water Agencies. A Distinguished Alumnus of the Civil, Architectural and Environmental Engineering Department of the University of Texas at Austin, Mr. Bhattarai is a Fellow of the Water Environment Federation.

Honoring his stellar contribution to improve water quality, wastewater management and for his efforts in environmental protection, IIT Kanpur confers upon Mr. Rajendra Bhattarai the Distinguished Alumnus Award 2022.

DISTINGUISHED ALUMNUS AWARD



MR. RANODEB ROY
(BT/CSE/1990)

Co-founder, CEO, and Chief Investment Officer
RV Capital Management, Singapore.

Mr. Ranodeb Roy received his bachelor's degree in Computer Science and Engineering from IIT Kanpur in 1990, and subsequently went on to complete his MBA from IIM Ahmedabad in 1992. He is the co-founder, CEO, and CIO of RV Capital Management, an asset management company based in Singapore. He is also a member of Board of Directors of Bandhan Financial Services, and was previously a Board Member of Bandhan Bank and Makemytrip Incorporation.

Mr. Roy has over 30 years of global Financial Markets experience. Prior to setting up RV Capital, he was the Managing Director and Head of Fixed Income Asia Pacific at Morgan Stanley in Hong Kong. He has also worked in Merrill Lynch Hong Kong as Managing Director and Co-head of Fixed Income Currency and commodities group and held various senior positions in Merrill Lynch across major locations including New York, Tokyo, and Hong Kong. Mr. Roy started his career at the Bank of America in 1992 in Mumbai.

Mr. Roy is involved in numerous philanthropic activities. He founded an NGO named Utsarga Charity and has set up two chairs at IIT Kanpur: Sajani Kumar Roy Memorial Chair, and Dr. Mahua Menon and Ranodeb Roy Young Faculty Chair, and the Protima Ghosh Memorial merit cum Means Scholarship. He is also the co-founder of IIM Ahmedabad Endowment Fund and co-founder of Ashoka University.

Honoring his stellar contributions to Management and Finance, IIT Kanpur confers upon Mr. Ranodeb Roy the Distinguished Alumnus Award 2022.

DISTINGUISHED ALUMNUS AWARD



PROF. SANJAY RANKA
(BT/CSE/1985)

Distinguished Professor
Department of Computer Information Science & Engineering,
University of Florida

Prof. Sanjay Ranka received his bachelor's degree in Computer Science & Engineering from IIT Kanpur in 1985, and he subsequently went on to receive his doctorate degree in Computer & Information Science from the University of Minnesota in 1988. He currently serves as a Distinguished Professor in the Department of Computer Information Science and Engineering at the University of Florida.

From 1999–2002, as the Chief Technology Officer at Paramark, he developed a real-time optimization service called PILOT for marketing campaigns. Paramark was recognized by VentureWire/Technologic Partners as a Top 100 Internet technology company in 2001 and 2002 and was acquired in 2002. He has also held positions as a tenured faculty member at Syracuse University, academic visitor at IBM, and summer researcher at Hitachi America Ltd.

The focus of his current research is the development of efficient computational methods and data analysis techniques for applications in transportation, health care and scientific computing. A core aspiration of his research is to develop novel algorithms and software that make an impact on the application domain, exploiting the interdependence between theory and practice of computer science.

He is a Fellow of IEEE, AAAS, and Asia-Pacific Artificial Intelligence Association, and a former member of IFIP Committee on System Modeling and Optimization. He won the 2020 Research Impact Award from IEEE Technical Committee on Cloud Computing.

Honoring his stellar contribution to the fields of Parallel Computing and Data Science, IIT Kanpur confers upon Prof. Sanjay Ranka the Distinguished Alumnus Award 2022.

DISTINGUISHED ALUMNUS AWARD



MR. ALOKE BAJPAI
(BT/EE/2001)

Co-founder & Group CEO, ixigo

Mr. Alope Bajpai received his bachelor's degree in Electrical Engineering from IIT Kanpur in 2001, and subsequently received his MBA from INSEAD, Fontainebleau & Singapore. He is the Co-founder and Group CEO of ixigo, an Indian AI-based online travel business.

A travel industry veteran, Mr. Bajpai worked at Amadeus in France as a software engineer prior to launching ixigo in India in 2007. Under his leadership, the ixigo group received backing from investors such as Govt. of Singapore, Sequoia Capital, Elevation Partners, InfoEdge Ventures among other investors and has grown to become a leading Online Travel Aggregator, assisting over 63 million monthly active users in India by leveraging artificial intelligence, machine learning, and data science-led innovations. ixigo trains and ConfirmTkt were featured amongst the top 10 travel applications worldwide. A big supporter of entrepreneurship, Mr. Bajpai is an investor and advisor for several startups and accelerators in India. He is also a charter member of The IndUS Entrepreneurs (TiE).

Honoring his stellar contributions to Online travel Technology and Entrepreneurship, IIT Kanpur confers upon Mr. Alope Bajpai the Distinguished Alumnus Award 2022.

DISTINGUISHED ALUMNUS AWARD



MR. DEEPAK DEV RAJ
(BT/EE/1970)

Founder & MD, Raj Associates, New Jersey

Mr. Deepak Dev Raj received his bachelor's degree in Electrical Engineering from IIT Kanpur in 1970, and subsequently went on to receive his master's degree in Business Administration from Northeastern University.

After many years spent on Wall Street, he founded and is the Managing Director of the New Jersey-based private investment firm Raj Associates with investments in real estate and public and private securities. His wide-ranging philanthropic service encompasses a variety of issues affecting India and Indian-Americans. He serves as Chairman of Pratham USA and of the India Philanthropy Alliance. He and his wife, Ms. Neera Raj established the Deepak and Neera Raj Center on Indian Economic Policies under the auspices of the School of International and Public Affairs, Columbia University in 2015. He is also Co-founder of the Indian-American Impact which aims to harness the potential of the South Asian community in public service.

Mr. Raj has held leadership positions at Merrill Lynch over a 24-year career including director of Global Equity Research. He was elected chairman of the New Jersey State Investment Council in 2019. The Council formulates policies governing the investment of funds and supervises the \$80 billion NJ Pension Fund.

Honoring his stellar contribution in Philanthropy and Finance, IIT Kanpur confers upon Mr. Deepak Dev Raj the Distinguished Alumnus Award 2022.

DISTINGUISHED ALUMNUS AWARD



PROF. RATNESH KUMAR
(BT/EE/1987)

Palmer Professor
Electrical & Computer Engineering Department,
Iowa State University

Prof. Ratnesh Kumar received his bachelor's degree in Electrical Engineering from IIT Kanpur in 1987, and subsequently his master's and doctorate degrees in Electrical & Computing Engineering from the University of Texas, Austin, in 1989 and 1991 respectively. He currently serves as the Palmer Professor of Electrical & Computer Engineering Dept. at Iowa State University, USA.

He directs the ESSENCE (Embedded Software, Sensors, Networks, Cyber-physical and Energy) Lab at Iowa State University, which has the top ranked program in Agriculture Engineering. For his distinguished contributions in a variety of areas, he is an elected Fellow of IEEE; Fellow of the American Association for Advancement of Science; recipient of the D. R. Boylan Eminent Faculty Award for Research and also the Outstanding Achievement in Research, both from Iowa State University. He has published 360 peer-reviewed articles, and has 10 patents to his name of which companies have already licensed 5 patents. For the graduating batch of 1987 at IIT Kanpur, he was the recipient of Ratan Swarup Memorial Gold Medal for the Best All-rounder student, Lalit Narain Das Memorial Gold Medal for being the Best Undergraduate Student in Electrical Engineering, and Proficiency Prize for the Best Project Work in Electrical Engineering.

Honoring his stellar contributions to Engineering and Computing, IIT Kanpur confers upon Prof. Ratnesh Kumar, the Distinguished Alumnus Award 2022.

DISTINGUISHED ALUMNUS AWARD



DR. RUCHIR PURI
(MT/EE/1990)

Chief Scientist
IBM Research, New York, USA.

Dr. Ruchir Puri received his master's degree in Electrical Engineering from IIT Kanpur in 1990, and subsequently received his doctorate in Computer Engineering from Schulich School of Engineering at University of Calgary, Canada in 1994.

He is currently the Chief Scientist of IBM Research, an IBM Fellow, and Vice-President of IBM Corporate Technology. He led IBM Watson as its Chief Technology Officer, and Chief Architect from 2016–2019, and has held various technical, research, and engineering leadership roles across IBM's Artificial Intelligence, and Research business.

He was elected as the Fellow of IEEE in 2007 for seminal contributions to automated logical and physical design of electronic circuits, and has been an ACM Distinguished Speaker, an IEEE Distinguished Lecturer, and was awarded 2014 Asian American Engineer of the year. He has been an adjunct professor at Columbia University, New York, and a visiting scientist at Stanford University. In 2011, he was honored with the John Von-Neumann Chair at Institute of Discrete Mathematics at Bonn University, Germany. He is an inventor of over 70 United States patents and has authored over 125 scientific publications on VLSI Chip design, design automation methods, microprocessor design, Artificial Intelligence, and optimization algorithms.

Honoring his stellar contributions to Computing and Artificial Intelligence, IIT Kanpur confers upon Dr. Ruchir Puri the Distinguished Alumnus Award 2022.

DISTINGUISHED ALUMNUS AWARD



DR. SMITA AGARWAL HASHIM
(BT/EE/1986)

Vice President, Microsoft Inc., USA

Dr. Smita Agarwal Hashim received her bachelor's degree in Electrical Engineering from IIT Kanpur in 1986 and subsequently went on to receive her master's degree from Princeton University in Electrical Engineering in 1988, and doctorate from the University of California in Electrical Engineering and Computer Sciences in 1993 with focus on image and video compression. She is currently the Vice-President of Product Management at Microsoft.

Dr. Hashim has previously served as Director of Product Management at Google transforming the trajectory of multiple products. She scaled Google Meet video communication service for remote work necessitated by Covid-19 pandemic. She built the Google Voice enterprise product line. She led chrome books device portfolio expansion growing them into top education devices in multiple markets. Her contributions include first industry products for delivery of television over IP networks and authoring addition of multimedia to ITU telecommunication standard. She has more than 10 patents to her name; she cares deeply about diversity and has started a women alumni network at IITK - WIN - now with ~200 members.

Honoring her stellar contribution to productivity software and devices, digital video and emerging business, IIT Kanpur confers upon Dr. Smita Agarwal Hashim the Distinguished Alumnus Award 2022.

DISTINGUISHED ALUMNUS AWARD



PROF. VIVEK SARKAR
(BT/EE/1981)

Chair, School of Computer Science
Stephen Fleming Chair for Telecommunications
College of Computing, Georgia Institute of Technology, USA.

Prof. Vivek Sarkar received his bachelor's degree in Electrical Engineering from IIT Kanpur in 1981, and subsequently went on to complete his master's and doctorate degrees in Computer Science from the University of Wisconsin-Madison in 1982 and Stanford University in 1987 respectively. He currently serves as the Chair of the School of Computer Science at Georgia Institute of Technology, USA, where he holds the Stephen Fleming Chair for Telecommunications. He conducts research in multiple aspects of programmability and performance for high-performance computing including programming languages, compilers, runtime systems, and debugging tools for parallel, heterogeneous, and distributed computer systems.

He began his career in IBM Research after obtaining his doctorate degree from Stanford University, where he was advised by Prof. John Hennessy. At IBM, his research projects included the PTRAN automatic parallelization system, the ASTI optimizer for IBM XL Fortran product compilers, the Jikes Virtual Machine for the Java language, and the X10 programming language for distributed parallel systems. He was a member of IBM Academy of Technology during 1997-2007. After moving to academia, he has mentored over 30 PhD students and postdoctoral researchers in the Habanero Extreme Scale Software Research Laboratory that he created first at Rice University during 2007-2017, and later at Georgia Institute of Technology after 2017. While at Rice University, he was the E.D. Butcher Chair in Engineering, and also served as Chair of the Department of Computer Science.

He is a Fellow of the Association for Computing Machinery and of the Institute of Electrical and Electronics Engineers, and the recipient of the 2020 ACM-IEEE CS Ken Kennedy Award. He has been serving as a member of the US Department of Energy's Advanced Scientific Computing Advisory Committee since 2009, and on the Board of Directors for the Computing Research Association since 2015 where he helped create the new CRA-Industry committee which he co-chairs.

Honoring his stellar contributions to the field of Parallel Computing and programming languages, IIT Kanpur confers upon Prof. Vivek Sarkar the Distinguished Alumnus Award 2022.

DISTINGUISHED ALUMNUS AWARD



DR. ANIL K. RAJVANSHI
(BT/MT/ME/1972/1974)

Director, Trustee & Hon. Secretary
Nimbkar Agricultural Research Institute, Maharashtra

Dr. Anil K. Rajvanshi received his bachelor's and master's degree in Mechanical Engineering from IIT Kanpur in 1972 and 1974 respectively, and subsequently went on to receive his doctorate degree from the University of Florida in 1979. He currently serves as the Director, and Hon. Secretary of the Nimbkar Agricultural Research Institute, Maharashtra.

His pioneering rural development work for the last three decades has spanned a whole spectrum of areas affecting the lives of rural population: renewable energy-based cooking and lighting; power generation from agricultural residues, renewable fuel production from agriculture; electric cycle rickshaws; water purification and effluent treatment through the use of renewable energy.

After his brief stint in the US, he returned to India in 1981 and established the energy and sustainable development work at Nimbkar Agriculture Research Institute in Maharashtra. His group pioneered the development of electric rickshaws in the 1990s; he developed a unique program of improving cooking and lighting technology for rural areas; he pioneered the development of low cost solar-based water purifiers and solar-powered petal collectors of safflower; his group pioneered the development of loose biomass gasification system. His efforts have shown how a small rural Science & Technology Institute working on a shoestring budget can pioneer technologies for rural India.

He is the recipient of numerous prestigious awards and honors, such as Jamnalal Bajaj Award for the use of science and technology in rural India, FICCI Platinum Jubilee Award; Globe Forum Award; Distinguished Alumnus Award from the University of Florida and India's highest civilian award, Padma Shree in 2022 to name a few.

Honoring his stellar contribution to the development of rural India using science and technology, and service to humanity at large, IIT Kanpur confers upon Dr. Anil Kumar Rajvanshi the Distinguished Alumnus Award 2022.

DISTINGUISHED ALUMNUS AWARD



PROF. DEEPAK DHAR
(MSc2/PHY/1973)

Distinguished Professor Emeritus
IISER Pune

Prof. Deepak Dhar received his master's degree in Physics from IIT Kanpur in 1973, and subsequently went on to receive his doctorate also in Physics from California Institute of Technology in 1978. He currently serves as a Distinguished Professor Emeritus at Indian Institute of Science Education and Research, Pune.

He is a theoretical physicist and is known for his research on statistical physics and stochastic processes. He has worked on the sandpile model of self-organized criticality, slow relaxation in magnets, and on models percolation, and linear and branched polymers. He introduced the spectral dimension in the studies of fractals. He is an associate editor of Journal of Statistical Physics, and member of the editorial board of J. Stat. Mech: Theory and Experiment.

He is the recipient of many prestigious awards and honors, such as Boltzmann Medal, first Indian to receive this honor; Satyendranath Bose Medal, TWAS Prize of the World of Academy of Science, Shanti Swarup Bhatnagar Prize, J. Robert Schrieffer Prize, and he is a Fellow of the Indian National Academy of Sciences, and National Academy of Sciences.

Honoring his stellar contribution to theoretical physics, IIT Kanpur confers upon Prof. Deepak Dhar the Distinguished Alumnus Award 2022.

DISTINGUISHED SERVICES AWARD



MR. SRIKANT SASTRI
(BT/CHE/1983)
President, TiE Delhi/NCR

Mr. Srikant Sastri received his bachelor's degree in Chemical Engineering from IIT Kanpur in 1983, and subsequently went on to receive his Post Graduate Diploma in Marketing Finance from IIM Calcutta in 1985.

He is a mentor on a mission and believes that the spirit of innovation and entrepreneurship should spread far beyond the metros so that it provides real opportunities for India's youth. Transforming universities into hubs of entrepreneurship, and focusing on under-served regions is a big part of his focus. 'The Ventilator Project', his best-selling co-authored book in 2021, is a perfect example of a success story of rapid innovation that created growth. His ongoing video series on his YouTube channel 'Chalo Startup' answers the most common questions start-up founders have. As someone who has built and sold two large services ventures in India and Southeast Asia, he uses his vast experience of over three decades to help emerging and aspiring entrepreneurs.

He currently serves as the Chairman of IIM Calcutta Innovation Park; Director of Foundation for Innovation & Research in Science and Tech at IIT Kanpur; he is the co-founder and Director of Crayon Data, Singapore, and Chairman of I3G Advisory Committee.

Honoring his stellar contribution in recognition of his support to the institute's efforts in innovation and incubation, especially 'The Ventilator' Project, he has, in true essence, acted as a goodwill ambassador of the institute, and helped raised its stature, IIT Kanpur confers upon Mr. Srikant Sastri the Distinguished Services Award 2022.

DISTINGUISHED SERVICES AWARD



MR. RAJIV SWARUP
(BT/EE/1973)

Founding President (Retd.), Shiv Nadar University

Mr. Rajiv Shanti Swarup received his bachelor's degree in Electrical Engineering from IIT Kanpur in 1973. He served as the Founding President of the Shiv Nadar University, and led the University to the Institution of Eminence and 48th NIRF University Rank in 2018 within 8 years of university formation.

As Chief Customer Officer and Senior Corporate VP of HCL Technologies America and India, he led incubation of many new business verticals and several software development centers in non-English speaking countries across the world, these later became growth engines for HCL Technologies.

He led establishment of Prof. R.N. Biswas and Prof T. R. Viswanathan Faculty Chair for Distinguished Teachers and Young Faculty Fellowships in Teaching Excellence, a unique initiative to reward and motivate great teachers. He was instrumental in strategizing the formation of IIT Kanpur Development Foundation, the fund raising arm of IIT Kanpur. The Cybersecurity Hackathon conceptualized and led by Rajiv, promotes IIT Kanpur through cybersecurity. It is now an annual event of the C3iHub at IIT Kanpur and attracts over eight thousand participants from across the globe. He actively led the campaign for the Institution of Eminence for IIT Kanpur on social media and in promoting The Gangwal School of Medical Sciences & Technology among the alumni.

Honoring his stellar contribution in becoming a goodwill ambassador of IIT Kanpur to help raise the institute's stature, and in recognition of his exemplary contribution to his Alma mater, IIT Kanpur confers upon Mr. Rajiv Swarup the Distinguished Services Award 2022.

YOUNG ALUMNUS AWARD



DR. MOHIT KUMAR JOLLY
(BT/MT/BSBE/2010/2012)

Assistant Professor
Center for Biosystems Science and Engineering
IISc Bengaluru, India

Dr. Mohit Kumar Jolly received his bachelor's and master's degrees in Biological Sciences & Bioengineering from IIT Kanpur in 2010 and 2012 respectively, and subsequently went on to receive his doctorate degree from Rice University in 2016. He was a joint Gulf Coast Consortia Postdoctoral Fellow at Rice University and UT MD Anderson Cancer Center from 2016–2018.

He currently serves as an Assistant Professor at the Center for BioSystems and Engineering at IISc, Bengaluru. His research interests are in the fields of Computational Systems Biology, Mathematical Oncology, Cellular Decisions & Reprogramming. He is also passionate about effective science communication and outreach, and is affiliated with the Center for Society and Policy at IISc Bengaluru.

Honoring his stellar contributions to the fields of computational, systems and mathematical oncology, IIT Kanpur confers upon Dr. Mohit Kumar Jolly the Young Alumnus Award 2022.

YOUNG ALUMNUS AWARD



DR. DEEPAK PATHAK
(BT/CSE/2014)

Assistant Professor
School of Computer Science, Carnegie Mellon University, USA

Dr. Pathak received his bachelor's degree from IIT Kanpur in 2014 with a Gold Medal in Computer Science & Engineering, and subsequently went on to receive his doctorate from the University of California, Berkeley in 2019. He currently serves as a faculty in the School of Computer Science at Carnegie Mellon University. He is a member of the Robotics Institute and is affiliated with the Machine Learning Department. He has also spent time as a researcher at Facebook AI Research. He is a recipient of faculty awards from several companies including Google, Samsung, Sony, and GoodAI. During his PhD, he was awarded graduate fellowships from Facebook, NVIDIA, and Snapchat.

His research spans Artificial Intelligence at the intersection of Computer Vision, Machine Learning & Robotics with the goal of building embodied robots that display human-like ability to generalize in real and diverse environments. His pioneering contributions include context encoders for self-supervised learning, curiosity-driven exploration, and rapid motor adaptation among others. His research is often featured in popular press outlets, including The Economist, The Wall Street Journal, Quanta Magazine, Washington Post, CNET, Vox, and MIT Technology Review among others.

Honoring his stellar contributions to the field of Artificial Intelligence, IITK confers upon Dr. Deepak Pathak the Young Alumnus Award 2022.

SATYENDRA K. DUBEY MEMORIAL AWARD



MS. NEHA VERMA
(BT/CHE/1998)

Director, Energy & Environment Management Division
Ministry of Steel, Govt. of India.

Ms. Neha Verma received her bachelor's degree in Chemical Engineering from IIT Kanpur in 1998, and thereafter worked in the IT industry for 6 years both in India as well as USA. Passion for forests and wildlife; exposure to issues and challenges faced by wildlife and natural world; and commitment to contribute effectively towards wildlife conservation led her to return to India to join Indian Forest Service in 2005. She secured All India Rank 1 in the entrance exam for IFS as well as received Gold Medal along with many other awards in her IFS training at Indira Gandhi National Forest Academy, Dehradun. She completed Master of Management Studies in Public Policy from Indian Institute of Management, Bangalore in 2020, and was again awarded the Director's Gold Medal.

She served as a committed, dedicated, bold and upright Forest Officer in the state of Uttarakhand for 17 years in various capacities, including manager of wildlife rich territorial divisions and protected area in the Corbett Landscape of Uttarakhand, where she contributed in the field of forest and wildlife protection, biodiversity and wildlife conservation, ecosystem restoration, watershed management, natural resource management, adaptation and mitigation of climate change, ecotourism, fringe community upliftment, sustainable livelihoods to name a few. She followed "zero-tolerance-policy" for controlling rampant illegal river bed mining in her tenure as DFO, Lansdowne Forest Division and Ramnagar Forest Division and incessantly worked for stopping illicit tree felling, wildlife poaching and encroachments in the forest area. She always believed in creating institutional mechanisms for making changes and gave priority to capacity building, nurturing and improving working conditions of forest staff. She also relentlessly worked for women empowerment by creating new income generating activities for local women Self Help Groups (SHGs).

She received appreciation by Hon'ble Chief Justice of Uttarakhand High Court in the judgements for bold and uncompromising stand taken during seizures and rehabilitation of illicitly-held captive elephants and encroachment eviction drives. She spearheaded Ramnagar Forest Division to receive prestigious International Global Tiger Forum -Conservation Assured Tiger Standards (GTF-CATS) accreditation,

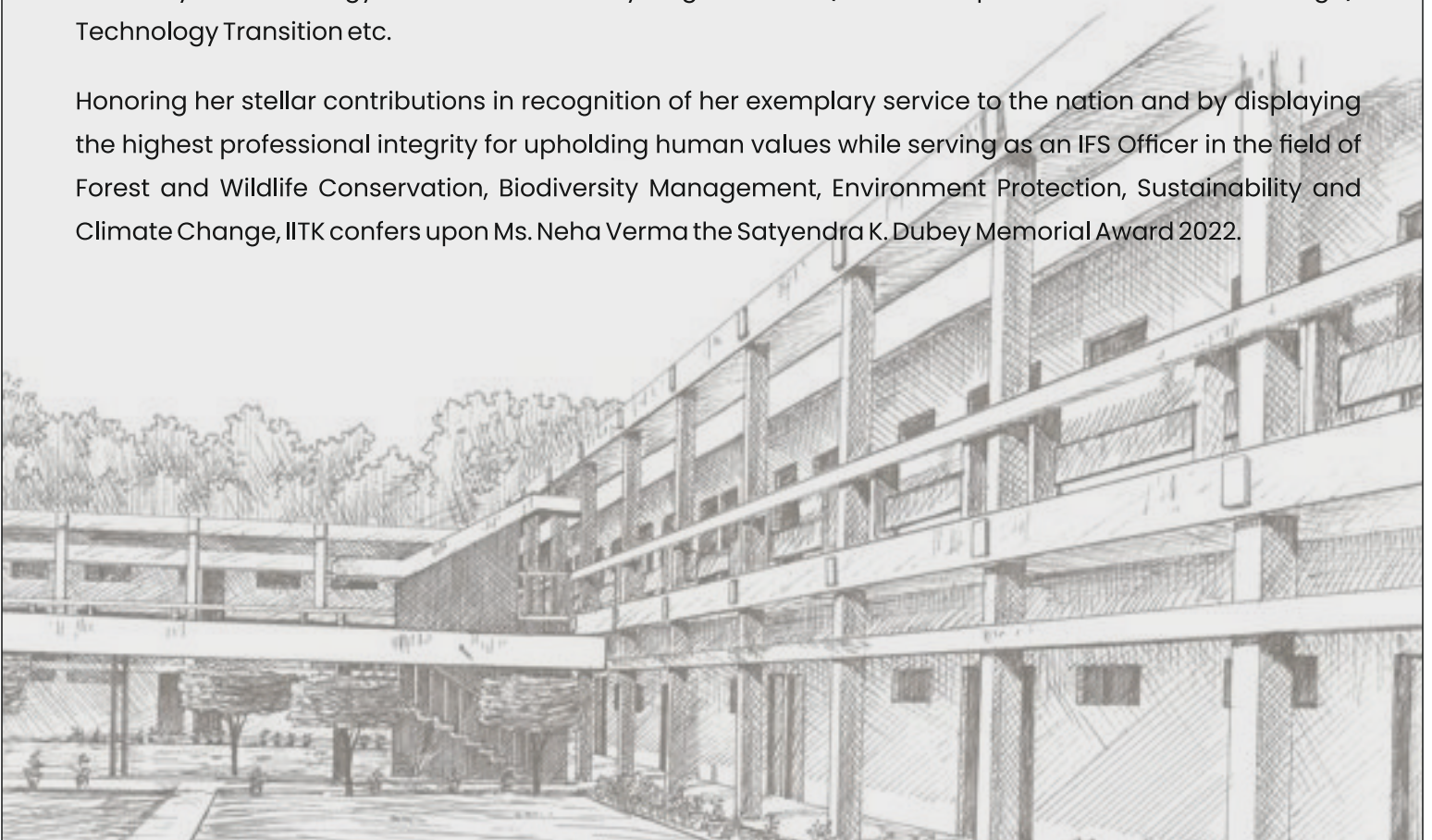


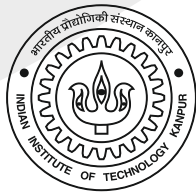
second to be awarded in India and fourth in the world, by steering the whole Division with a workforce of over 300 personnel to deliver the highest standards of tiger conservation.

Subsequently, she served as Additional Secretary, Forest and Environment in Govt of Uttarakhand where she worked with legal, financial, administrative and policy related matters pertaining to Forests, Wildlife, Biodiversity, Conservation, Environment, Sustainability and Climate Change. She was also actively involved in the establishment and functioning of State Environment, Conservation and Climate Change Directorate in Uttarakhand.

She recently joined Ministry of Steel, Govt of India in January 2022 where she is posted as Director in the energy and environment management division, with focus on decarbonization of 'hard to abate' steel industry, while working in areas of Climate Change Mitigation, Sustainability, Circular Economy, Energy Efficiency, Clean Energy Transition, Green Hydrogen, CCUS (Carbon Capture, Utilization and Storage), Technology Transition etc.

Honoring her stellar contributions in recognition of her exemplary service to the nation and by displaying the highest professional integrity for upholding human values while serving as an IFS Officer in the field of Forest and Wildlife Conservation, Biodiversity Management, Environment Protection, Sustainability and Climate Change, IITK confers upon Ms. Neha Verma the Satyendra K. Dubey Memorial Award 2022.





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