

Name:

Dr. Nishant Kumar

Photo:**Awards:**

IEEE IC- Outstanding YP Volunteer Awards

Brief Bio:

Dr Nishant Kumar is a guest faculty at IIT Jodhpur, as well as, Postdoctoral Research Fellow, in the Department of Electrical and Computer Engineering at National University of Singapore (NUS), Singapore. There his area of research is cybersecurity, for Smart-grid & Microgrids. He has completed PhD from Indian Institute of Technology Delhi India, in the department of electrical engineering, where he has worked on 'Development of Intelligent Maximum Power Point Tracking Techniques and Robust Control Algorithms for Grid Integrated Solar PV Energy Conversion System'. Those works have published in worlds renowned journals such as 20 papers in IEEE transactions, 6 papers in IET journals, as well as 5- Indian patents have filed. Moreover, his PhD thesis has awarded to the best thesis award - 2020, 1st Prize in IEEE IAS (Industry Applications Society) Thesis Contest 2020 (PhD Category). Moreover, his PhD thesis has also awarded to the best thesis award - 2019 in Indian Institute of Technology Delhi India, as well as he has received POSOCO Power System Indian National Award in Doctoral Category. He has completed his M.Tech from National Institute of Technology Durgapur India, where the university had awarded his research work to the "Gold Medal". In between, his M.Tech and PhD degree, he has worked as the Project Engineer and Research Associate at IIT Bombay and IIT Delhi. He had completed the bachelor degree (B.Tech) from Silicon Institute of Technology Bhubaneswar India, where he had awarded to the best Technical student award. Recently, he has felicitated by IEEE to the 'IEEE Senior Member', and by the DST, Govt. of India to Young Scientist Award, to represent India in 5th BRICS 2020 Young Scientist Conclave, which held in Russia. He has more than 50 publications, including international collaborations, such as Imperial College London, University of Strathclyde, Scotland, University of Warwick, UK etc.

Achievement for which the award was given:

For pioneering research work to develop an advanced control for optimal operation of grid integrated solar PV system, as well as continuous dedicated volunteer work.