

### **Self-profile: Prof. Dr. Joyanta Kumar Roy**

Prof. Dr. Joyanta Kumar Roy was born and brought up in Kolkata, West Bengal. He was the Ex-principal of Dumkal Institute of Engineering and Technology and Narula Institute of Technology is now working as Dean (Research and Consultancy) of MCKV Institute of Engineering, Howrah, and West Bengal. The MCKV Institute of Engineering is one of the best colleges of West Bengal University of Technology. He came from Industry back ground with academic interest. He did his Masters in Physics in the year 1978 from Calcutta University. He started his carrier as an entrepreneur and as well as research worker in the field of electronics and instrumentation. He established an electronic project based industry from the scrap as a family business and executed number of challenging technology projects, indigenized number of import substitutes.

During his professional period with industry he achieved lots of reputation and acknowledgements. He is an education lover and an academician also. He continued his education along with his professionalism in industry and was awarded with PhD (Technology) degree in Applied Physics in the year 2005 from Calcutta University. He was research fellow of Indian Council of Medical Research and contributed significantly in the field of Biomedical Engineering. In his research work he himself fabricated all of his equipment used in study and contributed significantly in the process control and instrumentation engineering. His thesis work was highly accredited by the foreign examiners and supported by number of international papers in peer reviewed journals. He designed, fabricated, installed and commissioned number of high quality laboratory set up in the field of Electrical engineering, electronics and communication engineering, Electronics and instrumentation engineering so and so forth. He developed distributed SCADA System for water Treatment Plant for remote monitoring and control to improve plant performance and to produce quality product in water industry. He also introduced application of Information and communication technology in the arsenic affected area rural water supply scheme.

In the Year 2005 Dr. Najrul Islam, IPS fonder chairman of Basantapur Education Society awarded post of Professor of the Electronics and Instrumentation Department of Dumkal Institute of Engineering and Technology. In 2007, Prof. Joyanta Kumar Roy took charge of Principal of this engineering college. He was also given responsibility of academic development of this college. After taking the charge Prof. Roy made enormous development of laboratory infrastructure of the institute. In 2010, Professor Joyanta Kumar Roy joined Narula Institute of Technology as Dean (Engineering and Research). After that he carried out his working responsibility as Principal of the Institute. Presently he is working with joint capacity of Dean (Academic Affairs) and Professor Head Applied Electronics and Instrumentation. During short tenure of service, Prof. Roy established Research and Development cell, Industry Institute Partnership cell, Entrepreneur Development cell and women's cell in his college. Professor

Joyanta Kumar Roy is a senior member of IEEE Circuit and Systems, IEEE Instrumentation Society and IEEE Industrial Application society. He is volunteering as EC member of IEEE CSS-IMS and IEEE IAS, Kolkata chapter and Vice Chairman of IET (UK) Kolkata Network. He is also a life fellow member of Institute of Electronics and Telecommunication Engineers and Indian water works association and member of Forum of Scientist engineers and Technologist India and Institute of Electrical Technology. He published a book on sensing Technology and two book chapters along with number of technical publications (around 60) in peer reviewed International and National Journals, and Proceedings of International and National Seminars. He is also working as reviewer of some International journals. He is giving leadership in number of research project and also guiding PhD students.

He is providing volunteer service as reviewer of technical papers of IEEE Sensors Journal, Measurement (IMEKO), Journal of Flow Control, Measurement and Visualization and IET Science & Measurement Technology. He is presently Associate Editor of International Journal on Smart Sensing and Intelligent System ([www.S2IS.org](http://www.S2IS.org)).

The Biography of Dr. Joyanta Kumar Roy has been enlisted for publication in Who's Who in the world 2015, 32<sup>nd</sup> Edition, USA

Prof. Joyanta Kumar Roy received Shiksha Bharati Puraskar from All India Achievers Foundation dated 22<sup>nd</sup> May 2010 on the occasion of National Seminar "World Peace & National Economic Development". Professor Roy also received LIFE TIME ACHIEVEMENT AWARD FOR EDUCATION EXCELLENCE WITH GOLD MEDAL from INTERNATIONAL ACHIEVERS CONFERENCE, NEW DELHI on 30<sup>th</sup> September 2010. In the year 2011 Professor Roy was awarded Global Education Leadership Award by IEDRA (Indian Economic Development Research Association, New Delhi).

He organized many international and national conferences, the most successful event was 1st IEEE International Conference on Communication and Industrial Application dated 26-28 December 2011, at Science City.

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