Dr. Partha Pratim Das

Professor | IIT Kharagpur

Biography

Dr. Partha Pratim Das is the Joint Principal Investigator of National Digital Library project of MHRD and leads the initiative to integrate the Digital Repositories of various Institutions, agencies and publishers across India. He is a Professor at the Department of Computer Science and Engineering, IIT Kharagpur, heads the Rajendra Mishra School of Engineering Entrepreneurship and is a core team member for the upcoming Technology Park of IIT Kharagpur at Rajarhat, Kolkata.

Dr. Das received his BTech, MTech and PhD degrees in 1984, 1985 and 1988 respectively from IIT Kharagpur. He served as a faculty in Department of Computer Science and Engineering, IIT Kharagpur from 1988 to 1998. In 1998, he moved to the industry and served in senior management / director positions till 2011. His current interests include Computer Analysis of Indian Classical Dance, Technology-Enabled Education, and Software Engineering.

Dr. Das is a member of Association of Computing Machinery (ACM), The Institute of Electrical & Electronics Engineers (IEEE), Indian Unit for Pattern Recognition and Artificial Intelligence (IUPRAI) and VLSI Society of India (VSI). He is currently the Editor-in-Chief of The Journal of Institution of Engineers: Series B, reviewer for Pattern Recognition Letters and a Review Writer for ACM Computing Reviews.

Abstract on the Topic of the Presentation

National Digital Library: A Platform for Paradigm Shift in Education & Research in India

India has a major challenge in Education due to its large multi-linguistic population and geographic spread. Several initiatives have been taken over the last one and half decades to leverage *Information and Communication Technology* to address these challenges. However benefits are yet to reach the masses.

MHRD under its *National Mission on Education through Information and Communication Technology* initiated the *National Digital Library* pilot project to develop a framework for a 24x7 facility hosting a huge virtual repository of knowledge with a single window search facility which can bridge the gaps that exist in the wide range from literacy to advanced knowledge discovery and development of knowledge.

In its final contour the system will serve as a pan-India virtual teaching-learning-evaluation-knowledge discovery and innovation platform which will help personalized, self-paced, new-age multi-media education at all levels, act as a platform that can bring fundamental shift in the paradigm of education and research in India.