Short Bio

of

Dr. M. Ryyan Khan

Dr. M. Ryyan Khan completed his BSc from EEE, BUET in 2009 and PhD from Purdue University, USA in 2016. After working as a post-doctoral research associate in Alam CEED group (Purdue), he has been working at East West University as a faculty member since 2018. He is a co-developer of a bifacial PV farm simulator: PV-MAPS (Photovoltaic Farm Modeling and Analysis Simulator by Purdue). Dr. Khan also co-authored the book "Principles of Solar Cells: Connecting Perspectives on Device, System, Reliability, and Data Science" with Prof. M. A. Alam.

Dr. Khan is currently serving as a national agrivoltaics expert for PAP-II/GIZ. He is closely working as a consultant for the agrivoltaics system installed by funding arranged by GIZ. His involvement also includes relevant capacity building and contributing to policies on agrivoltaics in Bangladesh.

Professor Anisul Haque

Dr. Anisul Haque has been working as a professor in the Department of Electrical and Electronic Engineering, East West University since 2006. He has also served as the Chairperson of the Department of EEE and the Dean of the Faculty of Sciences and Engineering. Before joining East West University, he taught at the Electrical and Electronic Engineering Department, BUET for eighteen years. He has been a visiting faculty at Tokyo Institute of Technology, Japan, University of Connecticut, USA and Clarkson University, USA. Dr. Haque's research interests include the physics, modeling, simulation and characterization of photovoltaic devices and systems and nanoelectronic devices. He is also interested in engineering education. Dr. Haque is the recipient of the Bangladesh University Grants Commission Award in 2006 and the gold medal from the Bangladesh Academy of Science in 2010. Dr. Haque was an editor of IEEE Transactions on Electron Devices from 2010 to 2019. He also served as an associate editor of IEEE Access from 2013 to 2023. Currently he is an editor of IEEE Electron Devices Review. He has been serving as an IEEE Distinguished Lecturer since 2009. He was a Board member of the Board of Accreditation for Engineering and Technical Education (BAETE), Institute of Engineers, Bangladesh (IEB) from 2012 to 2025. Dr Haque has conducted many training and workshop sessions on Outcomes Based Education (OBE) for academic program leaders and on Outcomes Based Accreditation (OBA) for BAETE program evaluators.

Dr. Ratil Hasnat

Dr. Ratil Hasnat has been working as an Associate Professor in the Department of Electrical and Electronic Engineering (EEE) at East West University, Dhaka, Bangladesh, since 2024. Dr. Ratil has dedicated his career to advancing sustainable technologies and nurturing future innovators. He completed his Ph.D. from Universiti Teknologi Malaysia (QS WUR 158; Subject ranking: Top 50)

under a grant from the Ministry of Science and Technology, Malaysia, and conducted postdoctoral research with a research grant from the prestigious Engineering and Physical Sciences Research Council (EPSRC), UK, at the University of Sheffield (QS WUR 92; QS Subject ranking: Top 100). Dr. Ratil has made significant contributions to power converter design, electric vehicles, and energy management systems. He has led and collaborated on cutting-edge research projects funded by renowned organizations such as BANBEIS and the Ministry of Science and Technology, Bangladesh. He has published over 40+ high-impact journal articles and 30+ conference papers, with a combined impact factor exceeding 100. His research has garnered international acclaim, reflected in an h-index of 21 and more than 2200+ citations. Beyond research, Dr. Ratil is a Senior Member of IEEE since 2021, actively contributing to the global engineering community. He has mentored IEEE student branches, chaired technical sessions at international conferences, and served as a track co-chair for major events. His commitment to education is evident in his over 15 years of teaching experience, during which he has inspired students to explore cutting-edge innovations in energy systems. Also, he is a member of the evaluation team for BAETE (IEB) for OBE-based accreditation.