

Dr. Ratil H Ashique (PI):

Dr. Ratil H. Ashique received B.Sc. degree in Electrical and Electronic engineering from Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh, in 2010. He completed Ph.D. from Universiti Teknologi Malaysia (UTM), Malaysia (ranked 181th in QS world university rankings and 106th for Electrical Engineering) in 2018. His PhD research project was titled as 'Design, Development and Construction of Power Converter for Photovoltaic Based Charging Station for Electric Vehicle' funded by the Ministry of Science, Technology and Innovation (MOSTI) under the Malaysia Science Fund Grant. In 2017, he also received UTM International Doctoral Fellowship (IDP). Later, he worked as a post-doctoral research associate at The University of Sheffield, one of the leading research universities in UK (ranked 78th in QS world university rankings and 100-150th for Electrical Engineering) from April 2018 to April 2020. The multidisciplinary project was titled as 'FPeT based Power Supply Design' and was sponsored by the prestigious British Engineering and Physical Sciences Research Council (EPSRC). He worked as an Associate Professor from 2021 to 2024 at Green University of Bangladesh and also served as the Director of Center for Research, Innovation and Transformation (CRIT). His research contributions are published in top-tier ISI and SCOPUS indexed journals (35+) and conferences demonstrating a high impact (Combined Impact Factor: 100+, JCR @ Clarivate Analytics 2020) standing and 1400+ Google scholar citations. He is also a senior member of IEEE and IEEE PES. He is an active reviewer for IEEE TIE, TPE and Access journals. He also served as a Co-Chair in the technical program committee for IEEE conferences held in Dhaka and elsewhere. His research interests include *design of application specific high efficiency/high gain power converters, controller design for PFC with integrated active filters, active filters for input current shaping, soft switching implementation in medium and high power converters, modelling of class E/D ZVS/ZCS resonant converters, design of very low voltage and ultra-high current multiphase converters, EMI suppression circuits, electric vehicle charging systems: architecture ,control and integration of renewables etc.*

For more info:

Website: www.rhashique.xyz

Google Scholar: <https://scholar.google.com/citations?user=Yxz-aWgAAAAJ&hl=en>

ResearchGate: https://www.researchgate.net/profile/Ratil_H_Ashique