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Characterization of Diamond-Like Carbon (DLC) Thin Films) from Kochi University of Technology, Japan, in 2007.

He started his professional career as an Assistant Engineer (Electrical/Instrument) in Bangladesh Chemical Industries Corporation (BCIC) from September 1988, became an Executive Engineer in 1997. During his job in BCIC, he also completed Post-Graduate Diploma in Industrial Management (PGDIM) in 1990 from Bangladesh Management Development Centre, Dhaka, Bangladesh. He also completed many training courses on different types of process control instrumentations including programmable logic controller (PLC) and programmable instruments during his job in BCIC from 1988 to 2003.

After having the Dr. of Engineering degree, he started his teaching career as an Assistant Professor in Electronic and Telecommunication Engineering (ETE) Department of Daffodil International University, Dhaka, Bangladesh in May, 2008 and he worked there till August, 2008. On September, 2008, he joined as a Faculty member of Electrical and Electronic Engineering (EEE) Department under Engineering Faculty, American International University-Bangladesh (AIUB). On May, 2009 he was appointed as an Assistant Professor of EEE Department, Faculty of Engineering, AIUB. Currently he is an Associate Professor in American International University-Bangladesh (AIUB). His present research interest includes Plasma Science, Nanotechnology, Electrical Characterization of Nanostructure Thin Films, and Solid-State Electronics, Materials Science, and Renewable Energy. Dr. Md. Kamrul Hassan is a Member of the Institution of Engineers Bangladesh (IEB).



**Shaira Tashnub Torsa** is a former undergraduate student at the Department of Electrical and Electronic Engineering, Faculty of Engineering, American International University - Bangladesh from May 2017 to December 2020. She accomplished her BSc. (EEE) degree with three “Dean’s List Honor” academic distinctions in 2019 and a general waiver of 25% from September 2017 to

December 2020. In her undergraduate project and thesis, she designed an “Ultrasonic Blind Walking Stick” with her group which is a step towards the easy navigation of the visually challenged people on both day and night outside and inside their homes. She participated in various webinars at the University of Rajshahi and American International University – Bangladesh. She is also involved in different organizations like COURSERA, NANO HUB and nanotechnology@aiub. Her research interests are in microelectronics, nanoelectronics, nanomaterials, photovoltaics, solar cells, mid infrared emitters and receivers, medical devices, sensors and biosensors and Internet of Things.



**Mahfujur Rahman** received his B.Sc. in Computer Science & Engineering and M.Sc. in Intelligent Systems from American International University-Bangladesh (AIUB). After his M.Sc., he joined AIUB as a Lecturer. He has started his

academic journey with AIUB and served as a Lecturer since 2020. His research interests are mainly focused on Intelligent Systems, NLP, Machine Learning, Data Science, Medical Image Processing, IoT and Big Data Analytics. For more than two years, he has been with the undergraduate students, as a supervisor of their thesis work. He has served as a reviewer in several local and international peer reviewed journals and conferences.