

Short Biography-- Dr. Fakir Mashuque Alamgir

Principal Investigator



Dr. Fakir Mashuque Alamgir is a passionate academic and researcher specializing in Deep Learning and its applications in healthcare. He completed his Ph.D. from the University of Dhaka, focusing on facial emotion recognition for mental health diagnosis. Dr. Alamgir holds a Bachelor of Science in Computer Science and Communication Engineering and a Master of Science in Wireless Communication and System Engineering, both from the University of Greenwich, United Kingdom. Currently, he serves as a faculty member in the Department of Electrical and Electronic Engineering (EEE) at East West University, where he actively teaches courses in Digital Logic Design, Machine Learning, and Computer Networks. His research interests include medical AI, multimodal fusion models, and explainable artificial intelligence (XAI).

In addition to his academic achievements, Dr. Alamgir has supervised numerous undergraduate Capstone projects and thesis. In addition, he has contributed to organizing major university events. He is also working on transforming his doctoral dissertation into a scholarly book, aiming to inspire further research in AI-driven healthcare solutions.

Carrying forward the legacy of his late father, the renowned singer and freedom fighter Fakir Alamgir, Dr. Alamgir remains deeply committed to education, research, and community service.

Rizwan Shaikh

Short Biography

Rizwan Shaikh currently serves as a faculty member at the Department of Electrical and Electronic Engineering at East West University. He completed his Bachelor's degree in Electrical and Electronic Engineering from Bangladesh University of Engineering and Technology (BUET) in 2019. He is a diligent academic researcher focusing on fields like Deep Learning, Machine Learning, Artificial Intelligence, Microstrip Patch Antenna design, and VLSI. In addition, he is currently working on multimodal fusion models incorporating explainable AI and vision transformers. Moreover, he has supervised several undergraduate theses alongside participating in other academic activities of the university. He has published extensively in reputable conferences and journals and is committed to producing unique, high-quality research publications in the future.

Md. Abdur Rahman

Short Biography

Md. Abdur Rahman is a Lecturer in the Department of Electrical and Electronic Engineering at East West University. He completed his B.Sc. and M.Sc. in Electronics and Communication Engineering from Khulna University in 2019 and 2022, respectively. He aims to excel in learning, teaching, research, and student development. His teaching portfolio includes courses, namely Electrical Services Design, Telecommunication Engineering, Electrical Circuits, Electronic Circuits, and Computer Programming, where he aims to build strong theoretical knowledge among the students and promote practical learning.

Md. Abdur Rahman's research interests primarily focus on AI-driven healthcare monitoring and wireless communication. He is currently working with artificial intelligence (AI) in the healthcare domain. His target is to use deep learning to improve disease diagnosis and explanation.

In addition, he actively serves as an academic advisor for the undergraduate students and participates in institutional development activities. He is passionate about fostering innovation in education and accelerating interdisciplinary research to address real-world healthcare challenges.

Short Biography of Dr. Shabneen Rahman

Dr. Shabneen Rahman is a glaucoma specialist and ophthalmic surgeon with over two decades of experience in clinical care, research, and medical education. With a postgraduate degree, MS in ophthalmology from the National Institute of Ophthalmology (NIO), under the University of Dhaka, Dr. Rahman has focused much of her career on the diagnosis, treatment, and surgical management of glaucoma, serving thousands of patients in both urban and rural settings. Singapore National Eye Center trained her in General Ophthalmology.

She held the Chief Consultant position at Mustafiz Glaucoma Research and Eye Hospital – the only specialized center in Bangladesh dedicated to glaucoma treatment and research, where she also led community-based screening and awareness initiatives. Her academic contributions include a university-approved thesis on corneal endothelial cell morphology in diabetic patients and ongoing research into the prevalence and risk factors of glaucoma in Bangladesh. As an Assistant Professor at Dhaka National Medical College and Hospital, she trained medical students and junior ophthalmologists with an emphasis on glaucoma management. She treated Ophthalmic patients, including glaucoma patients, at United Hospital Ltd. as a Consultant.

Dr. Rahman continues to pursue opportunities to collaborate on global glaucoma research, with a strong interest in early detection, patient education, and health equity in eye care.