KEYNOTE TALK 5

BAETE MANUAL VERSION 3.0 [DRAFT]: INTRODUCING GAPC V4 – A PATHWAY FOR SUSTAINABLE TRANSFORMATION

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ABSTRACT

As part of its own continuous quality improvement process, Board of Accreditation for Engineering and Technical Education continually endeavours to improve its own manual. And the recent revision of Graduate Attributes and Professional Competencies (GAPC) by the International Engineering Alliance (IEA) demanded a major overhaul therein and prompted the formation of a taskforce entrusted for this task. This resulted in the Version 3.0 of BAETE manual, currently in the draft stage and referred to as V3.0 henceforth, which also incorporates some other major changes along different dimensions. In this talk, we will be presenting the salient features of V3.0 highlighting the major changes along with the rational thereof and will be expecting constructive feedback through lively engagement of the audience and the stakeholders present both online and in-person.

M. Sohel Rahman is a Professor of the CSE department of BUET. He is a Distinguished Member of the ACM, a Distinguished Contributor of IEEE Computer Society and a Senior Member of IEEE. He is also a Peer-review College Member of EPSRC, UK. He is a Fellow of Bangladesh Academy of Sciences. He currently holds the Distinguished Speakership of both ACM and IEEE CS.

He received different scholarships and fellowships including Commonwealth Scholarship, Commonwealth Fellowship, ACU Titular Fellowship, University College London-Big Data Institute visiting grant, London Mathematical Society Visiting Grant etc. He is also a recipient of the Bangladesh Academy of Sciences Gold Medal and UGC Award. He has led research and development projects funded by the British Council, UGC-World Bank, ICT Division, Government of Bangladesh and BUET.

Dr. Rahman is an Academic Editor of PLOS One, Associate Editor of BMC Research Notes and guest editor in Theoretical Computer Science, Journal of Graph Algorithms and Applications, Journal of Discrete Algorithms, Fundamenta Informaticae etc. He has also served as Program Committee members in a number of conference series' of international repute. He regularly writes reviews at Mathematical Review and ACM Computing Review.

Prof. Rahman is deeply involved with the accreditation of engineering and computing education. He chairs the sectoral committee of Computer Science and Engineering of BAETE. He is also involved in curriculum development and review of CSE. He chaired the taskforce for the preparation of the Version 3.0 of the BAETE manual.

Arshad M. Chowdhury is currently serving as the Dean of the BSRM School of Engineering and the Director of the Institutional Quality Assurance Cell of the Brac University, Bangladesh. He has over 25 years of academic and industrial experiences in teaching, research and academic administration. Prior to joining BracU in 2019, he was with North South University, where he has served in various capacities including Dean of the School of Engineering and Physical Sciences, Chair of the Department Electrical and Computer Engineering, Director of the Confucius Institute. From 2007 to 2010, he worked as a Research Fellow/ Research Engineer-II at the Optical Network Research Laboratory in the School of Electrical and Computer Engineering at Georgia Institute of Technology. From 1999 to 2002, he worked as a Research Scientist in the Optical Internetworking Research division at Telcordia Technologies (formerly Bell Communication Research), Red Bank, NJ.

Dr. Chowdhury has a BS in Computer Science and Engineering from BUET, Dhaka, MS from Write State University, USA and PhD in Electrical and Computer Engineering from Georgia Institute of Technology, USA. He is a co-inventor of 15 granted US patents as co-inventor and published more than 95 peer-reviewed journal and conference papers. He is an active reviewer of IEEE Photonic Technology Letters, Journal of Lightwave Technology, OSA Journal of Optical Communications and Networking.

Dr. Chowdhury is an active resource person of the Board of Accreditation for Engineering and Technical Education, Bangladesh as a trainer and program evaluator. He is serving as the Co-Chair of the Quality Assurance Cell of BAETE and one of the key members of BAETE's Taskforce for Outcomes-based Accreditation Manual preparation and Taskforce for Development of Training Module for Program Evaluators. Dr. Chowdhury attended numerous training workshops, seminars and symposiums of outcome-based curriculum development as a participant as well as resource person.