

## Biography of Professor Dr. Md. Sazzad Hossain



### Professor Dr. Md. Sazzad Hossain

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**Dr. Md. Sazzad Hossain** is a distinguished professor, researcher, academic teaching advisor with extensive experience in ICT sector and a writer. Currently he is working as a visiting Professor at Samarkand State University in the faculty of Artificial Intelligence and Computer Technologies, Samarkand, Uzbekistan. He is also the Head of the Department of International Education Development at Synergy University, Moscow, Russia.

Dr. Sazzad is a masterly instructor in ICT field with enormous knowledge on subject matter. He was former member of University Grants Commission of Bangladesh (UGC) and also he was former director of Bangladesh Satellite Company (BSCL). He joined as a professor as well as Head of the Department of Computer Science and Engineering at University of Liberal Arts Bangladesh in December 2009. He received his PhD in Electrical and Computer Engineering from Portland State University, Oregon, USA which is one of the top ranking universities of the world. His doctoral dissertation in Quantum Computing takes background and ideas from several fields of physics, mathematics, computer science, computer engineering and biology. He completed his Master in Electrical and Computer Engineering from the same university in USA. He received his Bachelor of Science in Electrical System Network Engineering from Moscow Technical University (Popularly known as Moscow Power Institute), Moscow, Russia. He completed his S.S.C from Faujdarhat Cadet College and H.S.C from Chittagong College.

Dr. Sazzad taught several advanced courses, such as Introduction to Quantum Computing, VLSI Design, Game Theory, Artificial Intelligence and Human Robot Interaction. He also lent his teaching and research experiences in many universities and institutes as a visiting faculty/researcher/guest speaker. He has more than three decades of experience in Information Technology. He has served as a consultant to a number of nationally and internationally renowned ICT companies, government agencies and organizations. His research interest includes Quantum computing, quantum algorithms, quantum entanglement, de-coherence, natural computing, fault-tolerant computing, theoretical computer science, Nano Technology, Low Power VLSI Design, Reversible logic, Software Engineering, Internet of Things (IoT), Artificial Intelligence, Robotics, Human Computer Interaction, Renewable Energy and Solar PV Cell. His work is motivated by the theory of Darwinian Evolution, how the Darwinian Evolution evolved from some earlier evolution which could be only chemical and physical? Did Darwinian Evolution exist before the first living cell arrived? Can something be created from nothing? Therefore he believes that Darwinian Evolution results from Quantum Mechanical Evolution and may be other evolutions (chemical, physical) that were created in between. It is found in Nature that the structure of

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all organisms has been designed to provide the capability of solving a multitude of complex problems for both survival and growth, through instinctual, experiential, and intellectual means. Over the millennia, these capabilities have been proved to be an effective method of sustaining the existence and the propagation of natural organisms. Even as environmental conditions change, it is the continuous adaptation process of natural organisms adjusting to their environment, through evolutionary processes, which sustains life. Nature itself has proven its development of robust system design. Based on his research findings over 50 papers have been published in peer-reviewed international journals and conference proceedings. He is popular with the readers of science and technology books for his recently published book titled “অদৃশ্য প্রযুক্তি” (Invisible Technology) which caught readers’ attention since its availability. He is also the author of the book named “Programming in C”.

### A Glimpse of Dr. Sazzad Hossain’s current and previous positions:

- Professor Faculty of Artificial Intelligence and Computer Technologies Samarkand State University, Uzbekistan (2024-Present)
- Head Department of International Education Development Synergy University, Moscow, Russia (2024-Present)
- Central Council Member, Institution of Engineers Bangladesh (IEB), 2015-2017.
- Member, University Grants Commission of Bangladesh (UGC) (June 2019 – September 2024)
- Director, Bangladesh Satellite Company Ltd. (BSCL) (June 2019 – August 2024)
- Head, Department of Computer Science and Engineering, University of Liberal Arts Bangladesh (December 2009 – May 2017)
- Head, Department of Computer Science and Engineering, International Islamic University Chittagong, Bangladesh (March 2003 – May 2003).
- Adviser, IT Division, University of Liberal Arts Bangladesh
- Convener, International Islamic University Chittagong, Library Automation Committee.
- Chairman and Founder, Alternative and Sustainable Energy Foundation Bangladesh, since 2011.
- Secretary General, Central Governing Body, Old Faujian Association (Ex-Cadets of Faujdarhat Cadet), 2011-2012
- Central Council Member, Institution of Engineers Bangladesh (IEB), 2015-2017
- Expert Member: Tender Evaluation Committee, Specialized LAB, ARVR LAB, Course Curriculum Committee, Specification Committee, IOT LAB, SDKHTP Project (Installation of Internet of Things LAB), BHTPA, ICT Ministry-since 2016
- Advisor: Bangladesh Innovation Forum, <http://www.bif.org.bd/>
- Co-Founder, Data Science Bangladesh, <http://datasciencebd.org/>
- Advisor, Bangladesh Robotics Foundation (<http://bdrf.org.bd/>)