

CURRICULUM VITAE

A. Basic Information:

Name of Expert:	A. K. M. Shamsul HAQUE
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Phone	+8801711230854
Date of Birth:	07 January, 1971
Country of Citizenship/ Residence:	Bangladesh

B. Education:

Institution	Dates attended	Degree/diploma obtained
Uttara University Bangladesh	2017	M. Sc, in Computer Science and Engineering with CGPA 3.79
Rajshahi University, Bangladesh	1994	M.Sc. in Applied Physics and Electronics with 2nd Class
Rajshahi University, Bangladesh	1993	B.Sc. in Applied Physics and Electronics with 2nd Class
Naogaon Government College	1990	H. S. C with 1 st Division
Naogaon Zilla School	1987	S. S. C with 1 st Division

C. Consultancy and Employment Records:

Period	Employing organization and title/position. Contact information for references	Country	Summary of activities performed
01 Feb 2025 to December 2025 (Intermittent)	<p>Employer: Asian Development Bank Contract No. S205877</p> <p>TA-9966 BAN: Supporting Technical Education and Skills Development Facility (42466-018)</p> <p>Project: Technical Teachers for the Future (TTF) Program</p> <p>Client: Directorate of Technical Education (DTE)/Technical and Madrasah Education Division (TMED)</p> <p>Position: TVET Expert (Intermittent)</p> <p>Contact Reference:</p> <p>Dr.Zhigang Li Principal Economist Asian Development Bank Email: zli@adb.org</p>	Bangladesh	<p>(i) In close consultation with relevant government agencies (e.g. Directorate of Technical Education) and project team to provide technical inputs on the preparation of costed action plan for operationalizing blended TVET teacher training aligning with national blended master plan.</p> <p>(ii) Provide technical inputs in the preparation of establishment of e-learning centre to be established under the program.</p> <p>(iii) Prepare M&E Guidelines, including M&E-specific data collection tools, to ensure timely data availability for the TTF Program.</p> <p>(iv) Provide technical support for the development of the Blended Teaching and Training System (BTTS) to manage training for the TTF Program.</p> <p>(v) Work on any other related assignments of ADB project team when required.</p>
02 February 2024 to August 2025 (intermittent)	<p>Employer: Asian Development Bank Contract No. S195218</p> <p>TA-6735 BAN: Strengthening Social Resilience Program (Subprogram 1) - Social Protection Management and Digitization Expert (55041-001)</p> <p>Client: Directorate of Social Services (DSS) and National Pension Authority (NPA)</p>	Bangladesh	<p>(vi) Worked closely with international experts, ADB, and the relevant govt counterparts,</p> <p>(vii) With the guidance by international expert, collected the information and data about the current status of the govt capacity in data collection and management through the system, and monitoring and planning of social protection,</p> <p>(viii) Assisted international expert in preparing a development plan for the govt to strengthen their data collection and management through the system for the monitoring and planning purposes,</p> <p>(ix) assisted international expert in identifying the gap for the operation of contribution-based protection schemes of Bangladesh,</p>

	<p>Position: Social Protection Management and Digitization Expert (Intermittent)</p> <p>Contact Reference: Hiroko Uchimura-Shiroishi Principal Social Sector Specialist Fax.: (63 2) 8636-2444 E-mail: huchimura@adb.org Human and Social Development Sector Office</p>		<p>(x) assisted international expert in preparing a development plan to improve the operation of the contribution-based protection schemes,</p> <p>(xi) supported ADB and international consultants in coordinating with the government.</p>
<p>22 January 2024 to 31 July 2025 (Intermittent)</p>	<p>Employer: Asian Development Bank Contract No. S194175</p> <p>TA-6950 BAN: Supporting Education Sector Projects - Education Specialist (56088-001)</p> <p>Client: Directorate of Secondary and Higher Education (DSHE); Directorate of Technical Education (DTE); Directorate of Madrasah Education (DME)</p> <p>Position: Education Specialist (Intermittent)</p> <p>Contact Reference:</p> <p>Asako Maruyama Fax.: (63 2) 8636-2444 Senior Education Specialist E-mail: amaruyama@adb.org Human and Social Development Sector Office Sectors Group</p>	Bangladesh	<ul style="list-style-type: none"> • In consultation with ADB, assisted the executing and key implementing agencies of the NextGen Secondary Education Program in preparing, updating, and finalizing preliminary development project proformas, development project proformas, and associated documents for approval by relevant government authorities in a timely manner. • In coordination with MOE, DSHE, MOPME, DPE, and development partners, contributed to the preparation and processing of full application and associated documents for grant co-financing for the NextGen Secondary Education Program. • Under the guidance of ADB, attended meetings and update MOE, DSHE, MOPME, DPE, and development partners on progress in the preparation and processing of full application and associated documents for grant co-financing. • Collected and analyzed data and information to examine program systems, including monitoring and evaluation systems and management information systems at DSHE, DTE, DME, and local education offices, and prepare technical notes in support of program system assessments for the NextGen Secondary Education Program; and • Carried out other tasks as required by ADB.
<p>23 October 2023 to 11 March 2024 (Intermittent)</p>	<p>Employer: Asian Development Bank (ADB)/Associates for Development Services Limited (ADSL)</p> <p>TA-6950 BAN: Supporting Education Sector Projects - Feasibility Study of General Secondary and Madrasah Education Projects (56088-001) Contract No. S189288</p> <p>Project: NextGen Secondary Education Program 9NSEP)</p> <p>Position: Equipment Specialist (Intermittent)</p> <p>Contact Reference: Asako Maruyama Fax.: (63 2) 8636-2444 Senior Education Specialist E-mail: amaruyama@adb.org Human and Social Development Sector Office Sectors Group</p>	Bangladesh	<p>The specialist executed the following activities:</p> <ul style="list-style-type: none"> • Reviewed proposed interventions under the new projects, especially equipment, furniture, tools, and other goods to be procured, assess advantages and disadvantages of alternatives and other options considered; and prepare cost estimates and detailed technical designs; and • Provided inputs for the preparation of feasibility study reports, especially, technical/technological & engineering analysis, including alternative/options analysis; cost estimates; and detailed technical designs.
<p>01 September 2020 to November 2024 (intermittent)</p>	<p>Employer: Asian Development Bank</p> <p>Contract No. 160309-S29289</p>	Bangladesh	<ul style="list-style-type: none"> • Supported engaging an ICT firm to implement activities required to develop and pilot the EMIS system and ICT platform for teacher training.

	<p>TA-9883 BAN: Support to Quality Enhancement in Primary Education - Information and Communication Technology Specialist (50192-003)</p> <p>Project: Fourth Primary Education Development Programme (PEDP 4)</p> <p>Client: Directorate of Primary Education (DPE)/Ministry of Primary and Mass Education (MoPME)</p> <p>Position: Information and Communication Specialist (Intermittent)</p> <p>Contact Reference:</p> <p>Dr.Zhigang Li Senior Social Sector Specialist ADB-BRM Asian Development Bank Email: zli@adb.org</p>		<ul style="list-style-type: none"> Planned and coordinated the development of an ICT-based interactive automated training and assessment management platform for CPD training framework operationalization and for classroom performance monitoring system. Planned and coordinated the development of an ICT-based teacher assessment software module to be developed based on the updated classroom observation tool for monitoring teaching practices in classrooms (online and offline teachers assessment module). Coordinated the development of a master trainer database. Plan, monitor, and ensure the successful integration of the developed modules and database with the DPE-EMIS. Implemented a Mobile App based Digital Platform for Teacher Development in 1000 Government Primary Schools (GPS). Implemented and coordinated the Phase 2 pilot project for the Digital Teacher Development and Assessment Platform (Tangerine: teach and Tangerine: coach). Supported capacity building activities to ensure sustainable operationalization of the digital platform for teacher development and assessment. Supported the consulting firm in the design and development of the blended teacher training mobile application for continuing professional development. Coordinated the development and integration of the Learning Management System (LMS) with the training database of the PEMIS (Primary Education Management Information System). Coordinated the development of a centralized repository of online learning materials for primary teachers and students.
<p>23 October 2023 to 11 March 2024.</p>	<p>Employer: Asian Development Bank</p> <p>Contract No. S189288</p> <p>TA-6950 BAN: Supporting Education Sector Projects - Feasibility Study of General Secondary and Madrasah Education Projects (56088-001)</p> <p>Client: Directorate of Secondary and Higher Education (DSHE); Directorate of Technical Education (DTE); Directorate of Madrasah Education (DME)</p> <p>Position: EdTech Specialist (Intermittent)</p> <p>Contact Reference:</p> <p>Asako Maruyama Fax.: (63 2) 8636-2444 Senior Education Specialist E-mail: amaruyama@adb.org Human and Social Development Sector Office Sectors Group</p>		<p>The Equipment Specialist has performed the following activities:</p> <ul style="list-style-type: none"> Reviewed proposed interventions under the new projects, especially equipment, furniture, tools, and other goods to be procured, assess advantages and disadvantages of alternatives and other options considered; and prepare cost estimates and detailed technical designs; and Provided inputs for the preparation of feasibility study reports, especially, technical/technological & engineering analysis, including alternative/options analysis; cost estimates; and detailed technical designs.
<p>16 September 2023 to 31 October 2023 (intermittent)</p>	<p>Employer: e.Gen Consultants Ltd.</p> <p>Project: TA-6950 BAN: Supporting Education Sector Projects - Organizational</p>	<p>Bangladesh</p>	<ul style="list-style-type: none"> Assisted the international and national expert team in achieving project objectives. Supported NAEM and the consulting team in organizing workshops, FGDs, and KIIs for the Training Needs Assessment (TNA) study.

	<p>Development of the National Academy for Educational Management (56088-001) Client: National Academy for Education Management (NAEM)</p> <p>Position: Education Expert (EMIS/EdTech/IT)</p> <p>Contact Reference: Dr. MAK Khan, Team Leader, Email: rmdgaus@gmail.com</p> <p>Key features of the project: To prepare a study report on the organizational development of the NAEM.</p>		<ul style="list-style-type: none"> • Initiated and analysed Training Needs Assessment (TNA) data. • Recorded and transcribed discussions for reports/documents. • Assisted the team in conducting workshops, FGDs, and KIIs for the NAEM Organizational Assessment Study. • Supported the team in conducting the Digital Information Technology survey in NAEM and recorded information for report preparation. • Assisted in the preparation of the NAEM Organizational Study Report.
<p>July 2020 to June 2023 (intermittent)</p>	<p>Employer: Particip GmbH, Merzhauserstr. 183 79100 Freiburg i. Br. Germany</p> <p>Technical Assistance to support the Human Capital Development Programme (HCDP) for Bangladesh 2021 (EU TA) (Europe Aid/139931/DH/SER/BD)</p> <p>Project: Fourth Primary Education Development Programme (PEDP 4)</p> <p>Client: Bureau of Non-Formal Education (BNFE)/Ministry of Primary and Mass Education (MoPME)</p> <p>Position: Senior Monitoring and Evaluation Specialist</p> <p>Contact Reference:</p> <p>James MT Lee Team Leader HCDP-21 (EU TA) Email: jmtlee@hotmail.com</p>	<p>Bangladesh</p>	<ol style="list-style-type: none"> 1. OOSC Program Data Management System: Key tasks performed: <ul style="list-style-type: none"> • Conducted information needs assessment for programs addressing a) 8-14 years old OOSC and b) youth and adults aged 15 and above. • Designed and developed a web-based/offline data capture format (DCF) based on the key profile of the Out-of-school children. • Designed, planned, and developed of a database based on the key profile of the Out-of-School Children (OOSC). • Established the OOSC database in a cloud system or any other agreed place. • Managed data integrity, authentication, performance monitoring, security, database tuning, maintenance, backup, and data validation and verification. • Provided help and support to end-user on data accumulation into the OOSC database. • Assisted with annual OOSC programme data analysis and reporting requirements. • Supported the EU TA with PEDP 4 data/information management needs as required. 2. Formulation of BNFE EMIS Master Plan Key tasks performed include: <ul style="list-style-type: none"> • Reviewed BNFE EMIS Organisational Capacity and Information Needs Assessment conducted by the Dhaka University team. • Prepared the architectural design (system, network, and security) and data system dashboard for a comprehensive integrated BNEF EMIS. • Formulated the BNEF EMSI Master Plan, covering: <ul style="list-style-type: none"> - Implementation Methodology - Key findings - Challenges & Limitations - Data security and integrity - Management and maintenance - Capacity Development of key stakeholders of BNFE - Effective operationalization - Sustainability - Reporting - Recommendations and way forward • Prepared an EMIS manual for the key stakeholders of BNFE EMIS. • Consulted and coordinate with all governmental and DP stakeholders (e.g., UNICEF, DU) to secure broad ownership of the BNFE MIS Master Plan.

<p>September 2022 to April 2023 (intermittent)</p>	<p>Project: Learning Acceleration in Secondary Education (LAISE)</p> <p>Client: Directorate of Secondary and Higher Education (DSHE)/ Ministry of Education (MOE)/World Bank</p> <p>Position: Short-Term Consultant – EMIS/EdTech/IT (National)</p> <p>Contact Reference: T. M. Asaduzzaman World Bank</p> <p>Email: tasaduzzaman@worldbank.org</p>		<ul style="list-style-type: none"> • Analyzed project proposals, concept notes, and relevant background materials to identify key objectives, target audience, and intended impact of the LAISE project. • Conducted an in-depth feasibility assessment of the LAISE project, considering technical, financial, operational, and social factors. • Identified and assessed potential risks and challenges and developed mitigation strategies. • Prepared a comprehensive feasibility study report that includes findings, analysis, and recommendations for the Learning Acceleration in Secondary Education (LAISE) as a member of a report development team. • Organized a workshop to present the study findings and recommendations to the project stakeholders. • Prepared a Development Project Proforma (DPP) for the Learning Acceleration in Secondary Education as a member of a DPP development team.
<p>January 2021 to June 2021 (intermittent)</p>	<p>Employer: Particip GmbH, Merzhauser str. 183 79100 Freiburg i. Br. Germany</p> <p>Technical Assistance to support the Human Capital Development Programme (HCDP) for Bangladesh 2021 (Europe Aid/139931/DH/SER/BD)</p> <p>Client: Directorate of Technical Education (DTE)</p> <p>Position: Database Development Expert</p> <p>Contact Reference:</p> <p>James MT Lee Team Leader HCDP-21 (EU TA) Email: jmtlee@hotmail.com</p>	<p>Bangladesh</p>	<ul style="list-style-type: none"> • Developed and implemented a web-based application software module for the TVET Graduates and TVET institutions based on the approved questionnaires. • Developed a report format of Employers Records from the database of the TVET Graduates. • Developed web-based reports on the TVET Graduates and student information for the management. • Developed a standard format (in word document) of CV for the running students of the TVET institutions. • Conducted orientation training programs for the focal persons of Career Guidance & Counselling Cell at each of the pilot institutes on the operations of the software module. • Developed web-based generic reports for the management of the TVET institutions. • Developed an integrated system to download the data in the excel format from the databases of the TVET Graduate and TVET institutions. • Coordinated with the development of the DTE's Human Resource Management Information System (HRMIS) to ensure data compatibility between the tracer study databases and HRMIS. • Coordinated with HCDP-21 Key Experts for all tasks related to the databases of the TVET Graduate and TVET institutions.
<p>02 July 2020 to 31 December 2020 (intermittent)</p>	<p>Employer: Asian Development Bank</p> <p>Contract No. 160657-S28933</p> <p>TA-9415 REG: Education Technology National Consultant for Bangladesh (50361-001)</p> <p>Contact Reference:</p> <p>Jian Xu (Jeffrey)</p> <p>Education Sector Group Sustainable Development and Climate Change Department, ADB jianxu@adb.org</p>	<p>Regional</p>	<ul style="list-style-type: none"> • Mapped the current situation of education technology landscape including online learning platforms, digital contents, teacher support systems, learning management systems, school management systems, ICT infrastructure including networks and devices in schools and homes. • Mapped the current online learning platforms and institutional arrangement for preparing, revising, and approving the digital contents in schools. • Made an analysis of the current situation of technology support for teachers including pre-service and in-service training, as well as the digital literacy and readiness of teachers. • Made an analysis of the digital readiness and digital literacy assessment of students. • Mapped the current situation of the education management information system (EMIS) for general education (student system, teacher system, textbook system, fixed asset

	<p>Main Project Features: The key aim of the assignment is to get an updated analysis of the education technology situation in the country and support mapping the needs on using education technology to support the STEM Education in the country.</p>		<p>system, etc.) to improve monitoring and evaluation of schools' performance.</p> <ul style="list-style-type: none"> • Supported the education technology including online learning roadmap planning for Bangladesh together with the international consultant. • Supported the designing of the pilot programs to support the solution definition and roadmap planning. • Supported to organize a one-day workshop for selected teachers, teacher educators and government officials. The workshop's aim is to share the preliminary findings for the consultant's report and to seek feedback from the participants. • Supported the education technology including online learning roadmap planning for Bangladesh together with the international consultant. • Supported the designing of the pilot programs to support the solution definition and roadmap planning.
05 October '17 to 30 June 2020 (Intermittent)	<p>Employer: Asian Development Bank Contract No. 137035-S95790</p> <p>TA-8956 BAN: Capacity Building of Management in Education and Skills Programs - Information and Communication System Architect (natl) (46290-001)</p> <p>Project: Secondary Education Sector Investment Program (SESIP)</p> <p>Client: Directorate of Secondary and Higher Education (DSHE), Ministry of Education (MoE).</p> <p>Position: Information and Communication System Architect</p> <p>Contact Reference:</p> <p>Dr.Zhigang Li Social Sector Specialist ADB-BRM Asian Development Bank Email: zli@adb.org</p>	Bangladesh	<ul style="list-style-type: none"> • Established a team composed of selected members of the SESIP and DSHE staff, and with external partners to discuss and recommend a solution for an integrated ILC system (hardware, software, pedagogical content). • Prepared a plan and timetable for the work on the concept, user requirements, and technical design of integrated ILC system in the first phase (640 schools) and in long-term perspectives. • Reviewed the specifications of hardware and software architecture of integrated ILC system (developed in collaboration with contracted firms), interfaces with Central Server at DSHE and external systems in the education sector such as EMIS, continuing assessment, Examination, teachers' professional development, stipend system, and school administration. • Monitored the compliance of system solutions proposed/delivered by contractors with the overall concept of ILC system architecture and operations and industrial standards. • Helped maintain and develop standards within the ILC network; and recommended continuous improvements through modern technologies and software application. • Reviewed the ILC manuals, training guides, and operational instructions, and collaborated with agencies that deliver training and technical support. • Provided administrative, technical, and communication support to the Team Leader, SESIP PMC, SPSU, and relevant agencies, such as NCTB, NAEM, BISE, and others as needed to ensure the ILC activities were well coordinated with open communication among stakeholders. • Provided support to SPSU/FPW to change the existing specifications of ILC System Solution based on the lessons learned the implementing 640 ILCs to improve the performance and reliability of the ILC system solution. • Assisted the DSHE and NCTB to institutionalize ReLM and to develop a web-based monitoring dashboard. • Modified the electric and furniture arrangement design on the experience of installing and configuring GD-04 & 40 packages for proper installation of next phase of the ILC System. • Designed and delivered orientation training programs for key stakeholders of the new 70 ILCs, drawing on the experience of installing the GD-04 & 40 and SD-10 packages. • Produced and disseminated the Unified ILC Installation and Configuration Guidelines to key stakeholders.

			<ul style="list-style-type: none"> ● Developed a Sustainable Plan and Handbook for the ILC System. ● Designed and delivered orientation training programs to key functionaries to build ownership, awareness, belongingness, and accountability for ICT interventions in secondary education. ● Developed a comprehensive ILC Sustainability Plan based on the experience of the ILC System. ● Provided technical advice to DSHE's key technical officers to support the sustainable operation of 710 ILCs. ● Developed a comprehensive capacity-building plan of DSHE on a strategic approach to improve education outcomes through effective use of ICT for pedagogy and e-learning in classrooms for teaching and learning. ● Developed a comprehensive monitoring framework for the ILC System Solution.
16 July 2015 to December 2022 (intermittent)	<p>Employer: Sewco, Denmark.</p> <p>Secondary Education Sector Investment Program (SESIP). Program Management Consultancy (PMC)</p> <p>Directorate of Secondary and Higher Education (DSHE); Ministry of Education (MoE).</p> <p>Position: Information Management Specialist</p> <p>Contact Reference: Dr. MAK Khan, Team Leader, SESIP</p> <p>Email: rmdgaus@gmail.com</p> <p>Main Project Features: Enhanced Quality and Relevance of Secondary Education; Increased Equitable Access and Retention to Secondary Education; Strengthened Governance, Management, and administration;</p>	Bangladesh	<ul style="list-style-type: none"> ● Assisted in preparing a policy guideline that defines the role of EMIS in secondary education planning, monitoring and evaluation, and data related to quality standard. ● Assessed needs of EMIS and based on that, prepare terms of reference for hiring a software firm to develop an integrated Management Information System of DSHE. ● Assisted in collecting data on secondary education quality standards and assisted the Planning and Development wing in analysing collected data and prepared reports. ● Helped to update EMIS data collection tools and developed a mechanism for data verification and data collection processing improvement, data analysis, and timely reporting. ● Prepared the architectural design for the Mobile Applications of Academic Supervision, e-monitoring system, and Learning Facilitator Competency Standard (LFCS). ● Prepared the SSQS statistical report, and based on which prepared an analytical report. ● Carried out ongoing monitoring and improvement of the system capacity and services and helped for developing new modules. ● Provided support for development and implementation of decentralized services. ● Carried out ongoing development of protocols and systems for harmonization of operation between the DSHE EMIS, BANBEIS, BISE, and other agencies. ● Prepared the architectural design of the secondary student database and the web-based front-end software. ● Prepared a DLI action plan and DLI report for the ADB and MoE. ● Assisted the EMIS Cell to analyse the 2020 data sets to prepare the EMIS Analytical report. ● Provided technical support to the consultants of the SD-17 in developing the ten software modules of Integrated EMIS of the DSHE. ● Provided support to prepare the EMIS user manual. ● Provided support to the EMIS and SPSU to design and deliver nine zonal workshops on the integrated EMIS of the DSHE. ● Worked with the EMIS, SPSU, DSHE, and with the co-implementing agency to set up harmonized web-based

			<p>data management system in line with the management's requirement.</p> <ul style="list-style-type: none"> ● Provided support to the SPSU to prepare the PCR for SESIP. ● Provided support to develop and implement the service package for the teacher trainer database (SD-49). ● Provided support to the EMIS cell to set up and implement the Data Centre of the DSHE EMIS.
Mar. 2015 to June 2015 (intermittent)	<p>Employer: DPC Group/ Development Technical Consultants Pvt. Ltd. (DTCL);/Skill and Training Enhancement Project (STEP)</p> <p>Position: Database Administrator.</p> <p>Tracer study (Package no. SD-48) under Skill and Training Enhancement Project (STEP), Directorate of Technical Education (DTE), Ministry of Education (MoE).</p> <p>Contact information for references: Mr. Mashiur Rahman, Managing Director Tel: +88 01819 228821/Email: dpcgroup@gmail.com</p>	Bangladesh	<ol style="list-style-type: none"> Designed a database, and assisted in developing a data entry front-end software, based on the approved questionnaires. Supervised data entry, and data management activities, and produced need-based reports. Developed queries based on the Team Leader's requirements to provide information on time. Monitored performance and managed parameters to provide fast responses to front-end users. Mapped out the conceptual design for a planned database. Considered both the back-end organization of data and the front-end accessibility for end-users. Determined data entry service requirements by conducting a survey.
Feb. 2015 – Apr. 2015 (intermittent)	<p>Employer: Asian Development Bank.</p> <p>Selection – 118128: TA 8085 BAN: TA 8085: Planning and Budgeting Specialist (45317-001)</p> <p>Position: Planning and Budgeting Specialist.</p> <p>Results-Based management, Third Primary Education Development Program (PEDP III)/ Directorate of Primary Education (DPE)/ Ministry of Primary and Mass Education (MoPME)</p> <p>Contact information: Rudi Louis Hendrikus Van Dael ADB-BRM Email: rvandael@adb.org</p>	Bangladesh	<p>Supporting Directorate of Primary Education in strengthening the annual operation plan.</p> <ol style="list-style-type: none"> Supported the introduction of the result-based monitoring and planning manual to key stakeholders of the DPE. Organized workshops for relevant staff to introduce newly developed web based AOP monitoring tool. Supported for evidence-based result-oriented AOP (Annual operation plan) planning process at focal points level. Supported of the Annual Operation Plan working group to use ASPR and other information on results as an input to AOP prioritization based on AOP strategy paper. Developed a result oriented AOP based monitoring and planning manual and provide training for the focal points and line directors. Supported MIS to move towards an integrated information management system.
Jul. 2014 – Nov. 2014 (full-time)	<p>Employer: Swedish SIDA Supported/ Polytechnics International New Zealand Ltd (PINZ).</p> <p>Position: Education Specialist</p> <p>(Web-based Monitoring System Development)</p> <p>Results-Based Management, Third Primary Education Development Program (PEDP-III)/ Directorate of</p>	Bangladesh	<ol style="list-style-type: none"> Conducted an initial round of discussions with key stakeholders to establish the current approach to preparing the Annual Operation Plan (AOP). The key stakeholders include the Director and Deputy Director (Programmes), the DG/ ADG, The National Programme Implementation Adviser. Checked out the issues and possibly deficiencies representing the proposed fresh approach to preparing the AOP for 2015-16 and beyond. Ensured that the line directors are identified as responsible for the final input to the AOP preparation, sending hard certified copy as well as soft copy to the Director, Program Division.

	<p>Primary Education (DPE)/ Ministry of Primary and Mass Education (MoPME)</p> <p>Contact information for references: Contact: James Lee Tel: +8801957703692 Email: jmlee@hotmail.com</p>		<p>IV. Investigated with the Senior Systems Analyst in the Information and Management Division (IMD) the feasibility of installing intranet software to enhance the efficiency of the AOP process through document management.</p> <p>V. Carried out a survey of the routine data used by each Division in formulating their plans and budget demands for the AOP.</p> <p>VI. Undertaken the additional programming work necessary to extend MS SharePoint to cover query-based monitoring needs.</p> <p>VII. Developed the customized web-based software for both sharing documents between users and enabling need-based queries as per higher management's requirements.</p> <p>VIII. Installed the intranet AOP management software on the DPE server; demonstrated the AOP document management system to key stakeholders.</p> <p>IX. Revised the program for the AOP management system and supply copies with documentation to the Director (Program Division).</p>
<p>May 2013 – Jun. 2014 (full-time)</p>	<p>Employer: ASRS Technologies LTD.</p> <p>Position: Chief Technical Officer</p> <p>E-commerce Software Development Project.</p> <p>Contact information for references: Contract: Md. Shadat Hossain, Managing Director Tel: 01711-433783 Email: info@asrstech.com</p>	Bangladesh	<p>I. Performed as a team lead to develop an architectural design of integrated web-based e-commerce software system.</p> <p>II. Prepared technical project proposals.</p> <p>III. Prepared a time-bound action plan for web-based e-commerce software development project.</p> <p>IV. Organized a team of technical people to provide instant support to clients.</p> <p>V. Integrated customer service and support with the software engineering process to support resolution of customer issues and improve, and application usability.</p>
<p>Jan. 2014 – Mar. 2014 (intermittent)</p>	<p>Employer: British Council (Bangladesh).</p> <p>Position: National Consultant (ICT)</p> <p>Contact information:</p> <p>Contact: Dr. Deborah Wyburn, Team Leader Email: dwyburn@gmail.com</p>	Bangladesh	<p>I. Assisted in developing an Android App to evaluate speaking, reading, and listening skills at the primary education level.</p> <p>II. Interviewed the primary English teachers, filled in the prescribed format and prepared a report and submitted it to the Team Leader;</p>
<p>Jul. 2011 – Apr. 2013 (full-time)</p>	<p>Employer: Association of Canadian Community Colleges (ACCC)/Development Project Design and Services Ltd. (DPDS), Bangladesh.</p> <p>Position: EMIS Specialist</p> <p>Secondary Education Sector Development Project (SESDP)/Directorate of Secondary and Higher Education (DSHE)/Ministry of Education (MoE)</p> <p>Project features: To supply high-quality primary education to all children in Bangladesh and to create the environment for nationwide</p>	Bangladesh	<p>I. Prepared the software architecture of integrated EMIS system of DSHE.</p> <p>II. Designed an integrated database system for human resources and institutional management system.</p> <p>III. Designed and supervised end-user trials, and user information needs analysis studies for the current EMIS in DSHE.</p> <p>IV. Reviewed and redefined as needed the job descriptions of the EMIS-related staff in DSHE and the zones, districts, and sub-districts.</p> <p>V. Refined EMIS and GIS according to the results of the end-user trials, and user needs analysis study.</p> <p>VI. Designed and implemented training workshops to provide EMIS use training to personnel from MOE, DSHE, and other agencies, including district and zonal managers.</p> <p>VII. Designed and implemented a range of activities to increase EMIS awareness and promote EMIS use for education managers in DSHE and MOE.</p> <p>VIII. Liaised with PMQA Unit and BANBEIS to prepare a plan for data collection, verification, data entry, and use of outputs</p>

	<p>improvement in primary education.</p> <p>Contact information for references: Contact: Ratan Kumar Roy, Project Director Tel: 02-9553712 Email: rkumarroy@gmail.com</p>		<p>generated by these systems; oversee the EMIS software enhancement by the implementing firm.</p> <p>IX. Reviewed the data collection and verification system and suggested enhancements.</p> <p>X. Analysed EMIS datasets through statistical method (SPSS) for preparing Monitoring and Evaluation report;</p>
Apr. 2007 – Jun. 2011 (full-time)	<p>Employer: Director of Primary Education (DPE)/ Ministry of Primary and Mass Education (MoPME)</p> <p>Position: Junior IT Consultant</p> <p>Second Primary Education Development Program (PEDP II).</p> <p>Contact information for references: Contract: Shyamal Kanti Ghosh, Director General, DPE Tel: +880 2 8057877 Email: misdpe@gmail.com</p>	Bangladesh	<ul style="list-style-type: none"> ● Conducted a needs assessment for the EMIS of DPE and prepared terms of reference for the selection of a software development firm. ● Designed, developed, and maintained database for schools and student. ● Prepared a monthly work plan, ● Designed web application software for School Census and grade-five terminal Exam. ● Analysed EMIS datasets using statistical software to generate reports for APSC and ASPR. ● Assisted monitoring and evaluation consultants by providing EMIS datasets for the preparation of ASPR and APSC reports. ● Designed and supervised end-user trials and user information needs analysis studies for the current EMIS of DPE, ● Designed and delivered a series of training workshops on EMIS to personnel from MoPME, DPE, divisional, district, and Upazilla offices, which helped to build their ability to use EMIS data effectively. ● Designed and implemented a range of activities to increase EMIS awareness and promote EMIS use for education managers from the DPE & MoPME, ● Administered and maintained LAN/WAN/VPN at DPE, MoPME, NAPE, and field offices. ● Established the WAN (VPN) at 64 DPEOs and 500 UEO offices. ● Assisted the head of the MIS Cell in the preparation of the technical specification and technical evaluation of hardware & software for procurement, database administration and maintenance, ● Designed and established the ICT computer laboratory at all 55 PTI offices. ● Helped Maintain the high-tech servers and supervise the periodic data backup, ● Assisted DPE to conduct the GIS mapping of primary schools to locate their X-Y coordinates on the map. ● Assisted DPE to link X- Y (Longitudes and Latitudes) coordinates with the schools database to make queries based on management requirements, ● Designed and delivered the training programs on ICT for 2000 field officials, ● Prepared training manuals for ICT and EMIS modules. ● Prepared software requirement specifications (SRS) and architectural design for Mobile Applications for the e-monitoring tool of primary schools.
Feb. 2007 – Mar. 2007 (full-time)	<p>Employer: Japan International Cooperation Agency (JICA)/ Directorate of Primary Education (DPE)/Primary Education Development Program II (PEDP II).</p> <p>Position: Junior Consultant, ICT</p>	Bangladesh	<ol style="list-style-type: none"> I. Reviewed & revised job description for all personnel of National Academy for Primary Education (NAPE). II. Designed the periodic training schedule for all officers of NAPE. III. Assisted NAPE in preparing ICT strategic plan and submitted to Ministry of Primary and Mass Education (MoPME) for implementation;

	<p>ICT Strategic Plan for National Academy for Primary Education (NAPE).</p> <p>Contact information for references: Contract: JICA, Bangladesh Tel: 03 (5352) 5311-5314 Email: www@jica.go.jp</p>		
Feb. 2006 – Jan. 2007 (full-time)	<p>Employer: Director of Primary Education (DPE)/ Ministry of Primary and Mass Education (MoPME)</p> <p>Position: Junior IT Consultant (Full-Time).</p> <p>Second Primary Education Development Program (PEDP-II),</p> <p>Contact information for references: Contract: Shyamal kanti Ghosh, Director General (DG) Tel: +880 2 8057877 Email: misdpe@gmail.com</p>	Bangladesh	<ul style="list-style-type: none"> ● Conducted a needs assessment for the EMIS of DPE and prepared terms of reference for the selection of a software development firm. ● Prepared technical specifications for the hardware and security devices for the EMIS data management system. ● Designed the software architecture for EMIS data capture formats. ● Designed, developed, and maintained databases for students, teachers, and schools. ● Assisted the EMIS cell of DPE to develop software for EMIS data collection tools. ● Prepared a monthly work plan. ● Supervised the installation and configuration of IT infrastructure at field offices. ● Prepared guidelines for the sustainable operationalization of IT equipment at central and field offices. ● Facilitated ICT training programs for 2000 field officials. ● Prepared training manuals for ICT and EMIS modules. ● Assisted the EMIS to maintain the inventory of hardware and software installed in the different agencies under MoPME. ● Designed and configured LANs and WANs at DPE, MOPME, Education Wing of Planning Commission, NAPE and DPEOs' offices. ● Trained selected personnel from DPE, MOPME, and field offices on troubleshooting of the network operations and routine hardware maintenance. ● Mapped GIS and Linked X- Y (Longitudes and Latitudes) coordinates with schools database making queries based on management requirement;
01 January 2005 – 30 January 2006 (full-time)	<p>Employer: Information Technology Matrix Bangladesh Ltd.</p> <p>Position: Chief Technical Officer</p> <p>Contact information for references: Contract: Sabbir Ahsan, Managing Director Tel:02-9673129</p>	Bangladesh	<ol style="list-style-type: none"> I. Managed team to complete critical jobs on time and to the highest standards of customer satisfaction. II. Configured and maintained TCP/IP networks & planned for future network needs. III. Advised clients on appropriate hardware, software, and network solutions. IV. Administered, Maintained & Troubleshot Windows NT, 2000 & 2003 operating systems. V. Provided consultancy services for advanced networking. VI. Advised clients on viruses, worms, spyware, adware & spam. VII. Administered the network associate's corporate antivirus & storage system as well as Cisco switches, routers, and security devices. VIII. Established computer infrastructure in client's offices and configured software & hardware firewall. IX. Maintained corporate client data banks (Storage). X. Developed recommendations and assisted in planning and implementing network policies at client's premises.

<p>May 2001 – Dec. 2004 (full-time)</p>	<p>Employer: Mott Macdonald (Cambridge Education Consultants).</p> <p>Position: Networking & Hardware Coordinator</p> <p>Effective Schools Through Enhanced Education Management (ESTEEM) under PEDP I,</p> <p>Directorate of Primary Education (DPE)</p> <p>Contact information for references: Contact: Dr. Chris Cumming, Team Leader, Email: cummingster@gmail.com</p>	<p>Bangladesh</p>	<ol style="list-style-type: none"> I. Designed and maintained databases for 78,000 primary schools, storing information about students and teachers. II. Installed, configured, and administered servers & 200 workstations, with windows network operating system for different MOPME organizations. III. Designed, implemented, and commissioned LANs in ESTEEM Project offices, DPE, MOPME, CPEIMU, and a WAN connecting MOPME and DPE to support data, voice & video communication. IV. Designed, implemented, and commissioned a WAN connecting DPE, MOPME, and DPEO's, and supervised installation of computer and peripherals in 64 District & 20 Upazilla offices, V. Maintained hardware, software, and networks at four government organizations in Dhaka, six divisional offices, 64 districts, and 20 sub-districts. VI. Prepared educational statistics for primary education policymakers and development partners;
<p>May 1998 – Apr. 2001 (full-time)</p>	<p>Employer: DOLPHIN COMPUTER Ltd.</p> <p>Position: System Engineer (Full-Time).</p> <p>Contact information for references: Contract: Md. Abdul Whab, Managing Director, DCL Tel: 02-8125465 Email: sales@dolphi.net</p>	<p>Bangladesh</p>	<p>As the team lead, managed a group of six network and hardware engineers.</p> <ol style="list-style-type: none"> I. Assigned tasks to proper personnel. II. Supported professional activities of team members, Chairing weekly team meetings. III. Commissioned to instant troubleshooting to corporate clients under maintenance contract. IV. Maintained corporate client data banks; Managed maintenance contracts with regular visits to clients, telephone helpline, and instant troubleshooting as needed; Designed and implemented LAN and WAN for various clients under Windows Server and Novel operating systems. V. Advised clients (including three major banks, a textile company and INGO's) a proper network design and computer configuration

D. Membership in Professional Associations:

Membership: Member of Bangladesh Computer Society: ID 01034

E. Publications:

- **Bangladesh EdTech Country Situation Analysis Report, ADB EdTech Project, TA 9415 REG 160657-S28933**
- **Publication title: Development of EMIS in TVET Sector**
Journal: In-country program on Education Management Information System in TVET.
Organized by: TVET Bangladesh and CPSC (Colombo Plan Staff College for Technical Education), May 15-19, 2012, Dhaka Bangladesh
- **Publication Title: Measuring Quality Standards of Secondary School by Rubrics Methods achieving the targets of Sustainable Development Goals (SDG)**
Journal: International Journal of Scientific and Engineering Research (ISSN 2229-5518) Volume 8; Issue 7, July 2017
- **Publication Title: Report on Secondary School Quality Standard**
Program: Secondary Education Sector Investment Program (SESIP), November 2016

F. Language Skills:

Language	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Bengali	Excellent	Excellent	Excellent

G. Professional Certifications and Training:

Certifications:

- Cisco Certified Network Associate, **CCNA**
- Cisco Wireless LAN for Field Engineers, **WLANFE**
- Microsoft Certified Professional, **MCP**
- Microsoft Certified Systems Administrator, **MCSA**
- Microsoft Certified Systems Engineer, **MCSE**
- Microsoft Certified Systems Database Administrator, **MCDBA**

Training: Training on Microsoft Certification Exams completed successfully on:

- Installing, Configuring, and Administering Microsoft Windows XP Professional.
- Managing a Windows 2000 Network Environment.
- Implementing & administering a Microsoft Windows 2000 Network Infrastructure.
- Implementing and administering a Microsoft Windows 2000 Directory Services Infrastructure.
- Designing Security for a Microsoft Windows 2000 Network.
- Installing, configuring, and Administering Microsoft Windows 2000 Server.
- Installing, Configuring, and Administering Microsoft SQL Server 2000 Enterprise Edition.
- Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Environment for MCSE Certification on Windows 2000
- Managing and maintaining a Microsoft Windows Server 2003 Environment for MCSA Certification on Windows 2000

H. Contact information:	Email: akmsh.haque@gmail.com , Phone: +8801711230854, Address: 13/G, Genetic Huq Garden; 1, Ring Road, Shyamoli, Adabor Dhaka-1205, Bangladesh
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