

**Conference on
National Policies and Projects for
Digital Society in Asia**

**National Policies and Projects for
Digital Bangladesh**

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Presenter

Md. Mizanur Rahman
Senior Systems Analyst
Bangladesh Computer Council

Bangladesh Computer Council (BCC)

Ministry of Posts, Telecommunications and Information Technology

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graph TD; A[Ministry of Posts, Telecommunications and Information Technology] --> B[Information and Communications Technology Division]; B --> C["Bangladesh Computer Council(BCC)  
Apex body of the Government dealing with ICT"]
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Information and Communications Technology Division

Bangladesh Computer Council(BCC)
Apex body of the Government dealing with ICT

Achievements of BCC

National Data Center at BCC

77,763 webmail

25,000 +
websites

18,130 Services
(Network, VPS,
Co-location etc.)

Tier-IV Data Center at Kaliakoir

Construction
done 100%

At present in
Operation

Government Network

All Government
Offices in district
and upazilla level

2210 Unions
(Last tier of local
government)

18670 km
Optical Fiber

Other Infrastructures

902 Video
Conferencing
System

3544 Computer
Labs at
educational
institutions

Achievements of BCC

Human Resource Development

30,825 persons were trained through BCC this year

1391 persons with disabilities trained: 485 have been employed

33,564 persons trained form LICT Project: 11,131 persons employed

e-Government

Bangladesh National Digital Architecture (BNDA) has been developed

Bangladesh e-Government Computer Incidents Response Team (BGD e-GOV CIRT)

Bangladesh e-Government ERP (Ongoing)

Industry Promotion

9 Job Fairs. 56,000 participants: Recruited 657

155 seminars, workshops and symposiums: 10,240 participants

National Policies & Strategies



Government e-Mail Policy



National ICT Policy



Information Security Policy Guideline



National Cyber Security Strategy

National Policies & Strategies



National ICT Policy - 2018



National ICT Policy - 2015



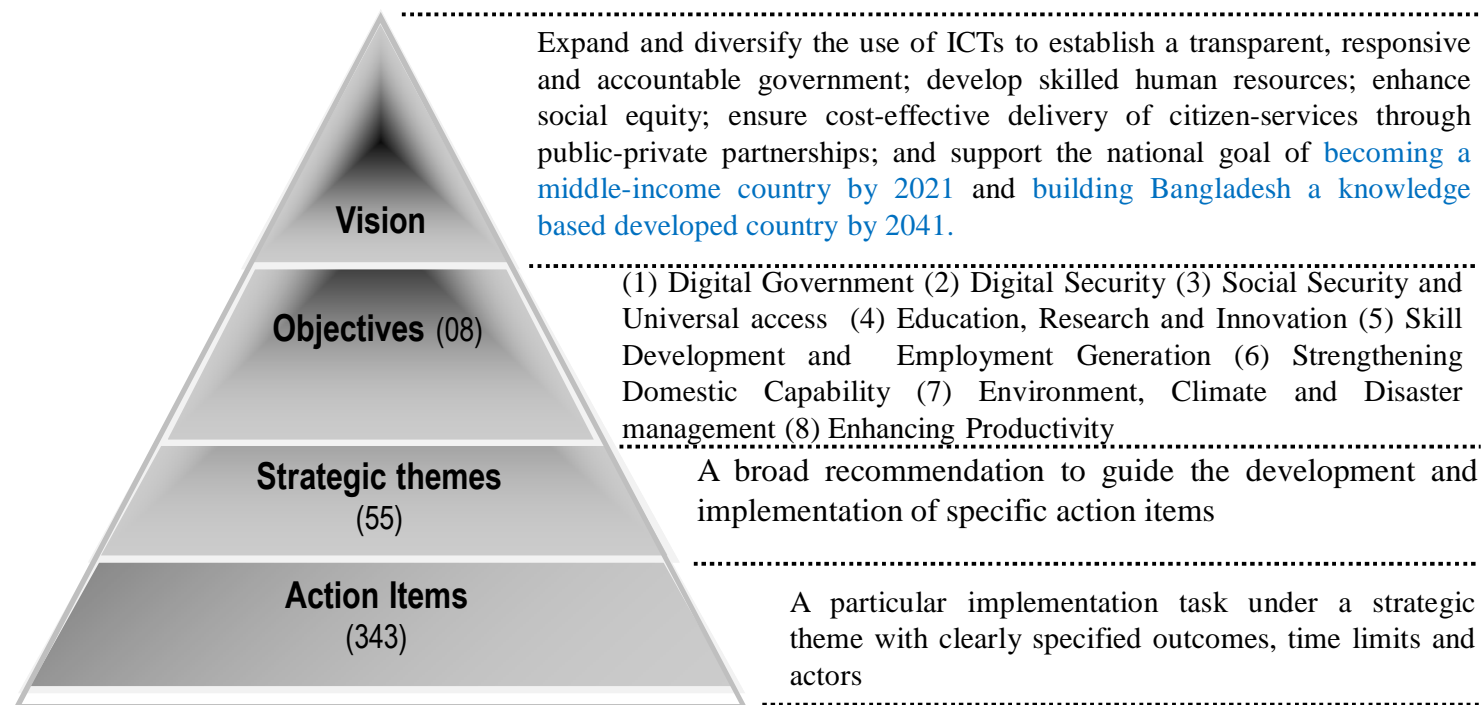
National ICT Policy - 2009



National ICT Policy - 2002

Structure of the National ICT Policy 2018

Vision-2021: Digital Bangladesh



Vision

Expand and diversify the use of ICTs to establish a transparent, responsive and accountable government; develop skilled human resources; enhance social equity; ensure cost-effective delivery of citizen-services through public-private partnerships; and support the national goal of becoming a middle-income country by 2021 and building Bangladesh a knowledge based developed country by 2041.

Implementation Plan:

Action Items shall be implemented as indicated in-

- “ Short Term by 2021**
- “ Mid Term by 2030**
- “ Long Term by 2041**

Review Policy:

- “ Action Items are to be reviewed in Every Year;**
- “ Strategic Themes will be reviewed time to time;**
- “ Whole Policy shall be reviewed at least in every 5 Years.**

Implementation Arrangement:

Overseeing:

- “ Digital Bangladesh Task force headed by the Hon’ble Prime Minister:
- “ ICT Advisor of the Hon’ble Prime Minister;

Monitoring:

- “ ICT Division will monitor and evaluate the implementation under the supervision of Cabinet Division

Implementing:

- “ All Ministries/ Divisions/ Departments/Agencies
- “ Field Level offices

National Cyber Security Strategy – 2014



“The National
Cybersecurity
Strategy of
Bangladesh”

Goal

Working collaboratively home and abroad, to manage all major cyber risks that affect us directly irrespective of their origin and type, thereby creating a safe, secure and resilient critical national information infrastructure for our economy and society.

Supporting Acts

Vision 2021: Digital Bangladesh

Digital Security Act – 2018

Bangladesh Hi Tech Park Authority Act (Amended)- 2014

National ICT Act (Amended) - 2013

National ICT Act (Amended) - 2009

National ICT Act - 2006

Bangladesh Computer Council Act - 1990

Flagship Projects under Implementation

Leveraging ICT for Growth, Employment and Governance

Duration: January 2013-June 2019

Estimated Cost: 75421.00 (RPA: 73861.00, GoB: 1560.00) Lakh BDT

Source of Fund : World Bank

Implementing Agency: Bangladesh Computer Council

Objectives

- Creating opportunities for extension of ICT based business;
- Improving the capacity of the national data center;
- National Enterprise Architecture-NEA implementation;
- Formation of cyber crime control team;
- ICT management related training to government officials.
- Preparing 30,000 skilled manpower for the IT / ITES sector;

Establishment of IV Tier National Data Center

Duration: July 2015-June 2020

Estimated Cost: 159955.67 (DPA: 119935.97, GoB: 40019.70) Lakh BDT

Source of Fund : China Exim Bank

Implementing Agency : Bangladesh Computer Council

Objectives

- Establishing a comprehensive and world-class Tier-IV Data Center;
- Increase the capability to store digital content of government agencies;
- Ensuring cyber security of digital content;
- Improve public service through exchange of mutual information;
- Providing e-services and helping to build digital Bangladesh.

Innovation Design and Entrepreneurship Academy (iDEA)

Duration: July 2016-June 2019

Estimated Cost: 22973.86 Lakh BDT

Source of Fund : GoB

Implementing Agency : Bangladesh Computer Council

Objectives

- To create sustainable innovation echo system;
- To promote Tech Innovation and Entrepreneurship;
- To protect and connect Intellectual Property;
- To develop capacity of the young innovators;
- To create an organizational structure to identify, nurture and promote great ideas;
- To institutionalize innovation culture in the country;
- Support to commercialization and brandings of innovations.

Bangladesh e-Government ERP

Duration: July 2018-June 2019

Estimated Cost: 2347.22 Lakh BDT

Source of Fund : GoB

Implementing Agency: Bangladesh Computer Council

Objectives

- To implement a pilot project for establishing a transparent and accountable e-Governance system in all sectors of the government;
- Creating an ERP solution for the Information and Communication Technology and Planning Division using the right and available platforms and local resources for e-governance;
- Increase the efficiency of the local ICT industry by implementing the e-Governance system.

Establishment of Software Quality Assurance, Testing and Certification Center

Duration: July 2016-June 2019

Estimated Cost: 2525.55 Lakh BDT

Source of Fund : GoB

Implementing Agency : Bangladesh Computer Council

Objectives

- To establish an independently run SQATC Center in Dhaka, Bangladesh;
- To Equip the Center with the requisite software, hardware and human resources;
- To Build capacity, through the Center, of resources to support desired growth in the software testing arena.;
- Independent verification and validation of the software systems that are purchased by the Government of Bangladesh;
- Knowledge transfer in the area of Software Testing, Software Development Life Cycle (SDLC), Software Project Management and Agile Project Management.

Enhancement of Bangla Language in ICT through Research & Development

Duration: July 2016-June 2019

Estimated Cost: 15902.00 Lakh BDT

Source of Fund : GoB

Implementing Agency : Bangladesh Computer Council

Objectives

- To establish Bangla computing as the leading language in the global platform through research and innovation;
- Standardization of various features of ICT-enabled Bangla Language;
- Developing tools, technologies and content for Bangla computing;
- Conducting surveys and research to expand the use of Bangla language in information technology for the innovation and modernization of Bengali language.

Development of National ICT Infra-Network for Bangladesh Government Phase-III(Info-Sarker-3)

Duration: December 2016-June 2019

Estimated Cost:199949.02 (DPA: 122741.49, GoB: 77207.53) Lakh BDT

Source of Fund : China Government

Implementing Agency : Bangladesh Computer Council

Objectives

- Enhancement of network connectivity from already installed in BanglaGovnet and Info-Sorker 2nd Phase project to 2600 Union;
- Connecting to offices, schools, colleges, growth centers, etc. by increasing the capacity of established Union Digital Center (UDC) at the union level;
- Ensuring access to e-services to the rural communities of Bangladesh to achieve the objectives of Information and Communication Technology (ICT) Policy 2015;
- To establish a wide area network of Bangladesh Police to provide data communication to all the level police units across the country;
- Support the creation of employment opportunities through the use of ICT.

Formation of the e-Government Master Plan for Digital Bangladesh

Duration: May 2016-June 2019

Estimated Cost: 2857.17(DPA: 2500.00, GoB:357.17) Lakh BDT

Source of Fund :KOICA

Implementing Agency: Bangladesh Computer Council

Objectives

- Contribute to materializing Bangladesh Government's vision 'Digital Bangladesh by 2021' through establishing the e-Government Master Plan;
- Enhance the Capacity building of Bangladeshi Government Officials for 'Digital Government' through sharing the experience and know-how of Korea's e-Government development;
- Implement a pilot project for the purpose of catalyzing the realization of Bangladesh's e-Government Master Plan;
- Divisions, 68 Departments and organizations under the Bangladesh National Enterprise Architecture Framework (BNEAF).

Digital Island Moheshkhali

Duration: August 2017-June 2019

Estimated Cost: 2058.00(DPA:1612.00. GoB: 446.00) Lakh BDT

Source of Fund : IOM & KT

Implementing Agency : Bangladesh Computer Council

Objectives

- To improve the quality of life of island residents using high speed network and information technology;
- To improve the quality of public services through the use of information technology for education, health, information and climate change;
- Developing knowledge of some specified people of Maheshkhali through access to the information of education and health using information technology solutions;
- Increasing the ability of specific service providers and service takers using ICTs to perform their respective duties;
- Reduce socio-economic differences between the residents of the city and the islands;
- Reduce irregular immigration in adverse conditions by improving the living standard of the islanders.

Empowerment of Persons with Disabilities including NDD through ICT

Duration: July 2017-June 2020

Estimated Cost: 2486.88 Lakh BDT

Source of Fund : GoB

Implementing Agency : Bangladesh Computer Council

Objectives

- To develop the persons with disabilities as skilled manpower through ICT Training, promote their employment and make them contributing citizen to build Digital Bangladesh and achieve the Goals of vision 2021 and Sustainable Development Goals(SDG)

Digital Sylhet City

Duration: November 2017- June 2019

Estimated Cost: 3020.00 Lakh BDT

Source of Fund : GoB

Implementing Agency : Bangladesh Computer Council

Objectives

- To improve the quality of life of the citizen of Sylhet using information and communication technology;
- To deliver government services at the doorsteps of the citizen;
- To establish interconnection between 20 (twenty) government schools and colleges;
- To develop 10 e-services of Sylhet City Corporation.

Establishment of Secured e-mail system and Digital Literacy Center for Bangladesh Govt. Project

Duration: March 2018-December 2020

Estimated Cost: 11631.10 Lakh BDT

Source of Fund : GoB

Implementing Agency : Bangladesh Computer Council

Objectives

- Secure e-mails for everyone working in government;
- Informing and training to the public about cyber security through the use of information technology;
- Increasing capability and establishing infrastructure for Open Data Analysis;
- Increasing the awareness of government by sharing information through Internet.

Establishment of ICT Network to Remote Areas

Duration: July 2018-December 2019

Estimated Cost: 47,607.10 Lakh BDT

Source of Fund: GoB

Implementing Agency : Bangladesh Computer Council

Objectives

- Establishment of network connections in 772 unions after establishing network connections in 3813 unions of 4585 unions,;
- Increasing network capacity of Union Digital Center (UDC) to provide network connection at all schools / colleges / madrasas, growth centers, telecom operators etc. in 772 unions;
- Creating infrastructure to reach public services in the remote areas at the door-steps of the people;
- Cooperate in the development of e-commerce, e-service, telemedicine using ICT;
- Removal of digital discrimination in 772 unions.

Skills Development of IT Engineers Targeting Japanese Market

Duration: August 2017-April 2021

Estimated Cost: 4475.02 (PA: 3857.68, GoB: 617.34) Lakh BDT

Source of Fund: JICA

Implementing Agency : Bangladesh Computer Council

Objectives

- To scale up the brand image of Bangladeshi ICT Professionals in global market.
- To produce skilled IT Engineers capable to work in Japanese Market with the skill sets of Japanese language, Business manner and IT.
- To formulate the model for the development of IT engineers' targeting Japanese market in collaboration with private companies.
- To enhance the operation capacity of BCC to implement IT engineers' development support projects including ITEE.
- To support the Question Formulation Meeting of ITEE to develop high quality questions for ITEE exam.
- To support the ITEE examinees to increase the pass rate, from 5% to more than 40% targeting to be the highest among the all ITPEC member countries, in collaboration with Academia, ICT Industries and Public sector.

Access to Information (A2i) Program

Duration: April 2012 – December 2019

Estimated Cost: 39350.07 Lakh BDT

Source of Fund: GoB & UNDP

Implementing Agency : ICT Division, Ministry of ICT

Objectives

- To improve access and delivery of public services for the under-served communities of Bangladesh;
- To ensure easy decentralized access points;
- To create greater capacity among the service providers;
- To promote a conducive legal and regulatory framework;
- To establish institutional framework for change; and
- To create public-private partnership and building awareness.

Learning and Earning Development Project

Duration: January 2014 – December 2019

Estimated Cost: 31977.16 Lakh BDT

Source of Fund: GoB

Implementing Agency : ICT Division, Ministry of ICT

Objectives

- To giving training the total 78,660 people for increase Self Employment and Online Outsourcing Training.
 - By giving Professional Outsourcing Training for making (13+40) =53 thousand skilled freelancers.
 - To emerge in the field of World's IT/ICT sectors by facilitating interested and scholar individuals to increase their capability and capacity.
 - To make new opportunities in the World's market in the field of IT/ICT.
 - To facilitate the training of 1,66,320 educated females in the field of IT/ICT by Caravan Digital Bus.

Development of ICT Infrastructure, Human Resources and Technology Skill of the National Parliament Secretariat (1st Revised) Project

Duration: July 2017 – June 2021

Estimated Cost: 4580.00 Lakh BDT

Source of Fund: GoB

Implementing Agency : ICT Division, Ministry of ICT

Objectives

- Provide internet connectivity to the honorable members of the Parliament Secretariat and improve the existing computer network infrastructure, hardware and software accessories by 2019.
- Create customized software and automated business by 2020.
- Establish the necessary infrastructure to increase internet access and the free flow of information by 2021.
- Automate all the executions from the 1st to the 10th Parliament of Bangladesh Parliament by 2021.
- Establish e-Governance through the development of the ICT system of Bangladesh Parliament and the National Parliament Secretariat by 2019.
- Preserve and arrange necessary information in the Data Center of Parliament Secretariat as well as to ensure its safe Back-up in the case of emergency by 2021.
- Provide required training to the employees of the National Parliament Secretariat on the advanced use of ICT by 2021.

Establishment of Computer and Language Training Lab in Educational Institutions all over the Country.

Duration: January 2015 – June 2019

Estimated Cost: 39777.00 Lakh BDT

Source of Fund: GoB

Implementing Agency : Directorate of ICT

Objectives

- To bring all school across the country in one umbrella internet connectivity.
- Language training lab will effectively work to eradicate linguistic limitations of young generations;
- By this lab a skilled manpower on foreign language learned and adept in ICT will be created;
- Students are being able to use computer through Sheikh Russell Digital lab.

She Power Project: Sustainable Development for Women through ICT

Duration: July 2017 – June 2019

Estimated Cost: 8189.00 Lakh BDT

Source of Fund: GoB

Implementing Agency : Directorate of ICT

Objectives

- To Women's participation in the ICT ecosystem;
- Increase women's participation/employment opportunities in the ICT sector by enhancing the efficiency/efficiency of women by using ICT;
- Making women entrepreneur and strengthening the process of empowering women through ICT.

Support to Development of Kaliakoir (and others Hi-Tech Park) Project(4th Revised)

Duration: January 2013 – February 2021

Estimated Cost: 39414.81 BDT Lakh

Source of Fund: GoB & PA

Implementing Agency : Bangladesh Hi-Tech Park Authority

Objectives

- To create offsite & onsite infrastructure to ensure world-class business environment for IT/ITES and other knowledge base hi-tech industries in the park's.
- To develop landmark physical facilities which will attract leading IT/ITES Companies in the park's.
- To engage internationally renowned private Developer's , on a PPP basis, for development of infrastructural facilities, operate and maintain; infrastructure;
- To provide support private sector to create Private Software Technology Park for investors by establishing onsite
- To provide capacity building support for hi-tech park related institutions, private sector IT/ITES Association members, skills Development Training , Freelancers training enabling improved and enhanced business environment with increased opportunities for growth.

Basic Infrastructure for High-Tech Park, Sylhet (Sylhet Electronics City Project)

Duration: January 2016- December 2019

Estimated Cost: 18712.55 BDT Lakh

Source of Fund: GoB

Implementing Agency : Bangladesh Hi-Tech Park Authority

Objectives

- To Construct basic Infrastructure like as site development boundary wall, internal approach road, fiber optic, electricity & gas connectivity, administrative building and electric sub-station for establishment of knowledge based industries at Sylhet.
- To create a Business environment for attract the park developer to investment of the electronic city under PPP model.
- To create employment opportunities for the ICT professionals.
- To development of suitable infrastructure for achieving the target of vision 2021: Digital Bangladesh.

"Bangabandhu Sheikh Mujib Hi-Tech Park" Rajshahi

Duration: July 2016 – June 2021

Estimated Cost: 23825.00 BDT Lakh

Source of Fund : GoB

Implementing Agency : Bangladesh Hi-Tech Park Authority

Objectives

- To Establish knowledge based IT industry at Rajshahi
- To Contribute in the national economy.
- To Create business environment for attracting foreign and Local investors.
- To Create Facilities for new IT entrepreneurs.
- To Create Employment opportunities.

Sheikh Kamal IT training and incubation Center Establishment Project

Duration: January 2017 – December 2019

Estimated Cost: 305.10 Crore

Source of Fund: GoB

Implementing Agency : Bangladesh Hi-Tech Park Authority

Objectives

- To Develop Human resources through conducting SSC and HSC level Student;
- Assist to development new intrapreneur in ICT;
- To bridging the gap of industry and academia;
- To create facilities for self-employment in IT Industry for young generation.

Establishment of IT/Hi-Tech Park at District Level(12 Districts)

Duration: July 2017 – June 2020

Estimated Cost: 179640,07 BDT Lakh

Source of Fund: GoB

Implementing Agency : Bangladesh Hi-Tech Park Authority

Objectives

- To create IT business environment to attract local and foreign companies for operating IT/ITES industry in Bangladesh.
- To establish IT/ITES/BPO hubs
- To establish basic infrastructure for IT park
- To develop skilled manpower and create employment opportunities.

Up Coming Projects

Sl.	Title of the Project	Duration	Estimated Cost in Lakh
1.	Strengthening of BGD e-GOV CIRT	Feb 2019 – Dec 2022	16196.31
2.	Establishment of Basic Infrastructure for Bangabandhu Hi-Tech City-2	Feb 2019 – Dec 2022	34493.42
3.	Leveraging ICT for Employment and Growth of the IT-ITES Industry Project	July 2019 – June 2020	4968.00
4.	Establishment of Technology Lab & Software finishing school through strengthening the regional offices of BCC Project	July 2019 – June 2020	232992.21
5.	Modernization of Rural and Urban Lives through ICT	July 2019 – June 2022	468768.16
6.	Establishment of National Information Security agency and Digital Forensic Lab	July 2019 – June 2022	18433.53
7.	Establishment of Basic Infrastructure for Mohakhali IT Park	July 2019 – June 2021	7739.52

Up Coming Projects

Sl.	Title of the Project	Duration	Estimated Cost in Lakh
8.	Establishment of Sheikh Hasina Institute for Frontier Technology Park	July 2019 – June 2023	124325.47
9.	Establishment of Mobile PKI System	July 2019 – June 2020	474.49
10.	Establishing Digital connectivity Project (EDC)	July 2019 – June 2023	1150057.49
11.	Development of Digital Signature Integration in online service	July 2019 – June 2022	3500.00
12.	Establishment of National Cyber Security Agency (National CIRT)	July 2019 – June 2022	10720.00
13.	Establishment of National Forensic Lab under NCSA	July 2019 – Dec 2022	96720.00

Linkages with the SDGs 2030

The ICT Division is implementing several development Projects and programs. Through these projects and its regular programmes, The ICT Division is addressing the SDG targets which have been assigned to ICT Division. ICT Division has been assigned for **Goals 1, 4, 5, 8, 9 and 17**. Among these ICT Division is Lead in **Target 9.c and 17.8**, Co-Lead in 9.b and Associates in 1.3, 1.4, 4.4, 4.7, 5b, 8.1, 8.2, 8.3, 8.6, 9.2, 9.3, 9.5, 17.6, 17.16 and 17.18. Besides, there are some other goals and targets where BCC has its footprints.

ICT Division is Lead:

- **9.c – Significantly increase access to information and communication technology and strive to provide universal and affordable access to the internet in least developed countries by 2020.*
- ***17.8 –Fully operationalize the technology bank and science, technology and innovation capacity-building mechanism for least developed countries by 2017 and enhance the use of enabling technology, in particular information and communication technology.*

ICT Division is Co-Lead;

- **9.b –Support domestic technology development, research and innovation in developing countries, including by ensuring a conducive policy environment for, inter alia, industrial diversification and value addition to commodities.*

**Thank
You**