

5. Existing ICT Training Course

- ICT Application Training for the teachers of Secondary and Higher Secondary level in School, College and Madrasah as per curriculum of the Computer Science subject.
- Customized courses in ICT for officials and staff of different offices.

6. Planned ICT Training Courses for 2007-08

- Basic ICT Application course with Education Database Management System (EDMS) database operation and management (Under BKITCE Training Plan and participation of **400 officials and staff**)
- Training Course on Arc View GIS for the Instructors of Polytechnic Institutes and relevant officials of MOE (Under BKITCE Training Plan and participation of **40 Instructors/Officials**).
- ICT Training Program under **SICT Project** with the participation of 740 officials from ministries/divisions/directorates. The modules of this training program are:
 - e-Governance Project Management
 - Basic skills in using computers for official work based on Linux
 - e-Government awareness and vision
 - Maintenance of e-Governance system
 - Maintenance of websites and software
 - Maintenance and troubleshooting of hardware and network
- ICT Application Training for the teachers of Secondary and Higher Secondary level in School, College and Madrasah as per curriculum of the Computer Science subject (Estimated participants-720 and to be financed from MOE-GOB)

7. Regular ICT Courses (To be implemented from 2008-09)

7.1 ICT Application Training for the teachers of Secondary and Higher Secondary level in School, College and Madrasah as per curriculum of the Computer Science subject.

7.2 Post Graduate Diploma in Computer Application (PGDCA)

1st Term	Historical Evolution of computer, computer generations, Basic anatomy of Computers, Number System, Computer Software, Information concept and processing, Evolution of information processing, data, information language and communication.
	Introduction to Operating System, CPU Scheduling, Memory Management, Device Management, File management
	C++ Programming and Elementary Data Structures.
	Concept of Windows/Linux Operating System.
	OFFICE AUTOMATION
2nd Term	Web Programming Level 1: Scripting languages, MS front Page, Installing and configuring APACHE and PHP, Multimedia: Photoshop
	DATA BASE MANAGEMENT SYSTEM
	COMPUTER NETWORKS AND INTERNET AND SECURITY
	INTRODUCTIONS TO E-COMMERCE
	Web Programming Level 2: Scripting languages: XML, JSP, JDBC.
	Project (Project Analysis, Documentation, Preparation, Implementation & Presentation)

7.3 Web Master Certification:

Purpose: (a) Guarantee the web programming and web designing performance
(b) Prove the Web development job skills for employers
(c) Improve the ICT education needs and IT understanding of Citizens.

Web Master Level 1 (Basic ICT Diploma Course) (Duration 6 months)	Computer Network & Internet
	HTML
	PHP
	Photoshop
	Database Concept & basic Programming (My-SQL)
Web Master Level 2 (Web Expert Diploma Course) (Duration 6 months)	Web Server Management
	Web Master Level 1 Test
	FLASH MX
	XML and JSP
	Database (Oracle)
	Linux Server/Security
	Web Master Level 2 Test

7.4 Training Course on Arc View GIS

7.4.1. Aims

This course aims at demonstrating the growing importance of Geographical Information Systems (GIS) for education, institution, and practical purposes. Based on the main GIS package - Arc View, the course not only provides insight into the theory behind GIS functionality but also offers valuable practical experience in using Arc View. Participants will be shown how to get their data into a GIS, analyze and manipulate the data, and then how to produce meaningful maps, figures and tables for their research activity.

7.4.2. Principal Objectives:

- To utilize industry-standard computer software and hardware for GIS.
- To gain practical experience in applying GIS techniques to respective research activity.
- To appreciate both the potential and the problems of using such methods, and be able to make an assessment of when they are likely to be beneficial.

7.4.3. Course Outline Contents

- Introduction to GIS investigations and research.
- Data input, editing and manipulation.
- Spatial analysis
- Output from GIS and customization.
- Practical exercise to give valuable experience for Arc View.

8. Pool of Expert Trainers:

All the officers are trained from Korea in respective areas in ICT and will conduct the Training Courses. In addition, local Experts and Professionals will be outsourced to run the Training Courses.

9. Internet Access:

All the computers have broadband Internet access.

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Bangladesh-Korea ICT Training Centre for Education (BKITCE)

BROCHURE



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1. INTRODUCTION:

Bangladesh Bureau of Educational Information and Statistics (BANBEIS) is an attached department of the Ministry of Education. This organization is responsible for collection, processing, analysis and dissemination of educational information and statistics for all levels and types of institution in the country. This organization is the Apex body of Educational Management Information System (EMIS) for the Ministry of Education and has functional relationship and information exchanging system with other organizations of the Ministry of Education. The mandate of BANBEIS as a central depository of education data and information has been developed through establishing Educational Management Information System (EMIS) and GIS School Mapping of the educational institutions at the post-primary level. Also a new mandate of this organization is included to conduct ICT training program to the teachers of secondary and higher secondary level and EDMS with basics on ICT to the field officials under MOE.

This organization has started to conduct computer application training for the teachers of secondary and higher secondary level of secondary schools, colleges and madrasahs from the FY 2003-04 and about 250 teachers have so far been trained in each year through GOB budget in only one Computer Lab.

In 2005, BANBEIS initiated the Technical Assistance Project "Establishment of Bangladesh-Korea ICT Training Centre for Education (BKITCE)" funded by Korea International Cooperation Agency (KOICA) through direct Project Aid. Under this project and from funding of KOICA, renovation and remodeling of Computer Division has been made and 5 (five) modern ICT Lab with PCs, Servers, Printers, GIS equipments, Multimedia Projectors and other necessary equipments have been established for operating a modern ICT Training Centre in the country. Structural changes of BANBEIS building was also made under the project. Bangladesh-Korea ICT Training Centre for Education has been established to promote skill of the IT related teachers in the secondary and higher secondary level through refresher courses in ICT fields spreading IT education up-to grass root level in the country. This centre has also aimed at promoting GIS application training, post-graduate diploma in ICT courses, Web mastering courses and ICT refresher Training to the teachers & EDMS to the field level officials for promoting data flow from district offices as well as establishing and maintaining District EDMS, database operation where a decentralized EMIS has been established.

Bangladesh-Korea ICT Training Centre for Education (BKITCE) has become a modern ICT Training Centre fully equipped with State-of-Art Technology for industry standard Human Resource Development in ICT to meet the National and International demands.

BKITCE in BANBEIS is housed on the 4th Floor of the BANBEIS Bhaban at 1 Sonargaon Road, Palashi, Dhaka-1205.

2. Objectives of the ICT Training Center:

Overall Objectives:

- Improve the capacity of Bangladesh ICT human resources through the ICT application training to the citizens.
- Improve access to ICT training in Bangladesh through the participation of teachers, officials and individuals.
- Contribute to narrowing the digital divide and enhance the ICT Diploma, Certificate and Refresher courses and Web mastering Course.
- To establish an International Standard Training Centre for Human Resource Development in ICT to meet the challenges of 21st Century.

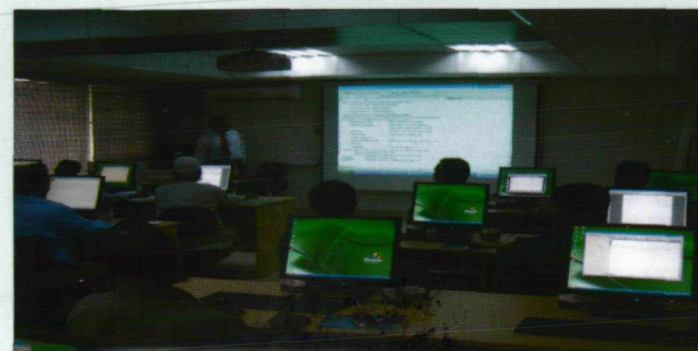
3. Specific Objectives of the ICT Training Centre:

- ❖ To strengthen BANBEIS as the centre of excellence in ICT Training with adequate number of training labs and others facilities for the Human Resource Development in Information Communication Technology (ICT) on Education Sector as well as in other sectors.
- ❖ To facilitate the government by providing ICT training to the officials and staff on basic skill development in computer application for official work and management of e-Governance applications to the mid and high officials.
- ❖ To spread ICT education in the grass root level through training to the teachers of secondary and higher secondary level.
- ❖ To train the officials and staff of field level offices for handling database operation and maintenance on EDMS with basic skill on ICT.
- ❖ To conduct Diploma and Post-Graduate Diploma in ICT focusing on Web Mastering.
- ❖ To conduct Standard Certification courses for the development of professional skills in GIS (Geographical Information System) Application.
- ❖ To conduct customized courses for Govt. officials and staff in the education sector as well as in other sectors.

Present Structural View of ICT Training Centre: (OPEN SPACE) The ICT Training Centre has a wide open space for the movement of the participants with sitting arrangement, TV and other facilities.



Facilities Of The Ict Training Lab: Each lab contains 20 PCs, 1 Notebook for Instructor, Printer, Scanner, and Multimedia Projector with automatic Tripod Screen, Internet connection and Furniture for 20 Trainee in a batch. The view of the training lab may be seen below:



4. Existing Hardware and Equipments:

Sl no	Item	Location	Q'ty
1	PC	Training Lab	100
		Office	10
2	Notebook Computer	a) Training Room+ Office	7
3	Server	MDF	5
4	UPS (1KVA)	Training Labs	64
5	UPS (3KVA)	Office	5
6	On -Line UPS (3KVA)	Office	3
7	IPS (10KVA)	Server Room	1
8	Printer (Laser)	Training Lab +Office	12
9	Network Printer (Laser)	Office	1
10	Printer (Color Laser)	Office	1
11	Scanner (A3-Size)	Training Lab	6
12	Digitizer for CAD	Multimedia Lab	11
13	Plotter	Multimedia Lab	1
14	Digital Camera	Multimedia Lab	2
15	TV Set(52")	Multimedia Lab	1
16	LCD Panel (19")	GIS Lab	1
17	Network Switching Hub	Training Lab	13
18	Network Accessories	LAN in each PCs	120 node
19	Internet Connection	Both wireless & physical	120
20	Server Rack	MDF	2
21	Tie Mic	Training Lab	5
22	Wireless Receiver	Training Lab	5
23	Power Amplifier	Training Lab	5
24	Speaker	Training Lab	5
25	CD Duplicator	Office	1
26	Multimedia Projector	Training Lab	6
27	Photocopier & Fax	PD Room	1
28	Map copier & Scanner (Digital)	Training Room	1
29	Air Conditioner (Ceiling 3 ton)	Training Room+ Office	19
30	Dehumidifier	All Room	-
31	Generator (50KVA)	Ground floor	1
32	CC Camera & Monitoring Panel	All Room	7
33	Fire Detection & Protection system	Office	-
34	Internal Music & PA system	All Room	7
35	Refrigerator	Dining Room	2
36	Router	Network Lab	1
37	Handheld GPS	GIS Lab	25
38	Digital GPS	GIS Lab	1
39	Arc GIS Net Software	MDF	3
40	Anti -Virus Net Software	MDF	1
40	Arc Info GIS Software	MDF	21
41	Tripod Screen	All Lab	6
42	Telephone Setup line	All Room	-
43	Water Purifier	Dining Room	3