



Pearl Consultant Ltd

A house of innovative software development and consulting services

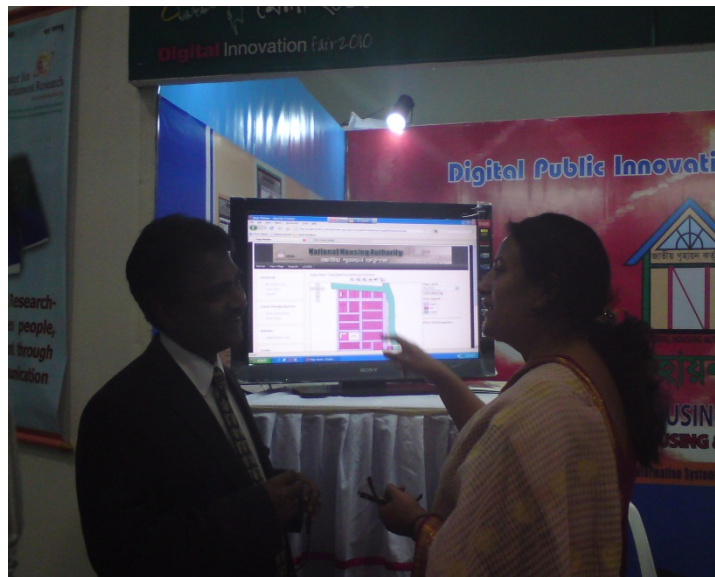
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PEARL Consultant Ltd (PCL) is a house of innovative software development and consulting services. The company was launched in 2009 with the noble idea of using Hi-tech tools comprising development of service and management software, Geographical Information System (GIS), Remote Sensing (RS), and other ICT tools for business management, office management, natural resource management and social development. The company integrates, supports, and enhances all layers of technology in a coordinated approach to serve the highest possible value to its clients in this ever-changing e-governance and e-business environment. The company has unique expertise for advisory services, ICT based solution development, research, databases management, training and maintenance in the fields of Geographical Information System (GIS), Remote Sensing (RS), Management Information System (MIS) and Web Services. Its approach focuses on new ways of doing business combining IT innovation and adoption while also leveraging an organization's existing IT assets.

PCL is in the solutions business. We seek the best solution for each client, and then help implement it using needs assessment, system architect, technical support and training.

Mission and Vision

Mission of PCL is to provide innovative consulting and development services through developing automated web techniques, business solutions, ICT promotions, GIS and RS based solution tools to individual, companies, groups or offices in order to fulfill the dream of Digital Bangladesh. To provide time tested, secure, reliable and cost effective enterprise level solution to achieve business objectives and become a reliable partner for our clients and business associates.



Explaining Web and GIS based Land Record System (LRGIS)
in the Digital Innovation Fair 2010, Dhaka.

ORGANIZATIONAL STRENGTH

Multidisciplinary scientists and technical personnel's enabled the organization to work in wide range of fields. There are more than 50 professionals working in the organization with expertise in developing Customized software, GIS, Remote Sensing, Management Information System, Environment, Soil and Agriculture, Cadastral and GPS survey, economics and social science. Senior professionals have more than 10 years experience in their respective fields. The organization also has a bunch of young professional with higher education.

SOFTWARE AND HARDWARE FACILITIES

PCL employs state-of-the-art software and hardware for a variety of GIS and remote sensing mapping needs. The company uses latest version of GIS and RS software, database and programming software including ArcGIS, Visual Basic and ORACLE, and high configuration up-to-date computer hardware and software. It also has specialized hardware for GIS and remote sensing including plotters, digitizers, and laser printers.

OUR SPECIALITY

GEOGRAPHIC INFORMATION SYSTEM (GIS)

Our GIS department has extensive experience in managing the resulting data and displaying it in a scientifically useful and cartographically attractive format. PCL personnel have vast experience in using ArcInfo, ArcView and ArcGIS family of software products. All have received specialized training and certification in the use of ArcGIS, use of Visual Basic for application and it's ArcObjects for programming and customization, ArcView GIS and its Avenue programming language.

Major application activities using GIS

- ☐ Consulting and Project Planning
- ☐ System and Application Development
- ☐ Implementation Support Services
- ☐ Database Development
- ☐ Mapping (Through use of County and City GIS data, as well as data from other sources, PCL is able to produce various types of maps,

including: Subject-specific Maps, General Location Maps, Custom-sized Maps and Aerial Photography Maps. PCL provides high quality authoritative digital map, and imagery solution at a very competitive price).

- Attribute Data Analysis
- Geo-Database Design (databases are frequently used by Government departments and others to track inventory or to help maintain various systems, such as water and sewer systems. Adding location data for each feature makes the database a Geo-Database).

REMOTE SENSING (RS)

We apply operational computer-based satellite image analysis techniques, maintaining a leading edge in this fast changing field. The company has in-depth experience of a range of commercially available satellite imagery: in particular, IKONOS, Quickbird, SPOT, Landsat, IRS, ERS, Envisat and RADARSAT as well as aerial photography. We are constantly seeking to develop operational uses for remote sensing data where the unique capabilities and cost advantages of aerial and satellite imagery find practical application. Supporting this work is the in-house development of customized systems that incorporate remote sensing, GIS, GPS and database technologies. Using RS data/images for studying, monitoring and management of various resources like agriculture, forestry, geology, water, ocean etc. and mapping resource domains.

Major application activities using satellite remote sensing data

- Ground water prospects and recharge zone mapping
- Wasteland Monitoring, Inventory and Assessment
- Coastal Zone Studies
- Forecasting Agricultural outputs using Space, Agrometeorology and Land based observation (FASAL)
- Agricultural Drought Assessment and Monitoring System
- Biodiversity Characterization
- Urban Information System
- Water Resources Information System
- Space Based Information System for Decentralized Planning
- Flood Mapping and Monitoring
- Watershed Monitoring and Development

APPLICATION DEVELOPMENT AND MANAGEMENT INFORMATION SYSTEM (MIS)

We provide all kinds of IT solutions like custom software development, such as Project work flow management system, Housing estate payment/income management system, file tracking system, Budget and financial management system, Meetings and minutes management system, Human resources management(HRM), Payroll management system, Attendance and leave management system, Loan and advance management system, Store & inventory management system, Vehicle management system, Library management, One stop service management system etc.

We are continuously providing cost effective and premium quality custom software development services. Our success key point is premium quality custom software development services at affordable price and on-time delivery. We work with new generation technologies and companies to build new application software to compete.

Major applications

Software Development Services:

- ☐ Accounting System
- ☐ HR & payroll
- ☐ Shop Atomization
- ☐ Store Management
- ☐ Library Management
- ☐ Archive System
- ☐ Project Management System
- ☐ Fertilizer Recommendation System

Web design services :

- ☐ Original Website design or redesign
- ☐ Flash, Photoshop, Swish
- ☐ Web 2.0 standard xHTML, CSS
- ☐ Use of mootools, jquery and prototype
- ☐ Website maintenance, update & support
- ☐ Database design and programming
- ☐ Database integration
- ☐ Data importing
- ☐ Dynamic page creation

- ☐ Developing web interface for data entry
- ☐ Create custom site engine
- ☐ Add features to or modify existing script(proprietary or open source)

Dynamic Web Developments:

- ☐ Web development with php / mysql
- ☐ Web development with xhtml / ajax
- ☐ Shopping cart development solution
- ☐ E-commerce business site development
- ☐ Paypal integration
- ☐ Portal / dating / gallery site development

Flash & Multimedia:

- ☐ Animated flash presentation
- ☐ Corporate CD or digital brochure
- ☐ PowerPoint to flash conversion
- ☐ Flash intro or flash animated logo
- ☐ Flash banner design

Graphics Design:

- ☐ Graphics design for web and print
- ☐ Corporate logo design
- ☐ Brochure design
- ☐ Letterhead design
- ☐ Business card design

IMPORTANT PROJECTS

Project Name	Department/Organization
Development of customized software for GIS and web based Digital Archives and Management Software	Khulna Development Authority, Khulna
Development of Digital Archiving software and customized Management software for all scanned documents of Authorized section of KDA	Khulna Development Authority, Khulna
Development of Digital Archiving software and customized Management software for all scanned documents of Planning section of KDA	Khulna Development Authority, Khulna
Development of Digital Archiving software for all scanned documents of Accounts section of KDA	Khulna Development Authority, Khulna
Digital Survey of University campus and research field	Bangabandhu Sheikh MuziburRahman Agricultural University, Gazipur
Automation of Data Updating System of OFRS	A2I and SRDI
Development of Online Payment System of Housing Estate Installment of NHA	National Housing Authority (NHA)
Estate Management System (EMS)	Rajdhani Unnayan Kartripakkha (RAJUK)
Software solution for Oikotan and Durbin Project	RobiAxiata Limited
GIS based data processing and updating of OFRS for 300 Upazilas	KATALYST
Web Enabled Plot Based Land Record System (WPLRS) with GIS features for different Township/Housing projects of RAJUK	RajdhaniUnnayanKartripakkha (RAJUK)
SRDI Research Archive	Soil Resource Development Institute
Salinity Research Management System	Salinity Research Center, Batiaghata, Khulna
GIS and Web based Land Record Information System for Housing Estates of NHA	National Housing Authority
ICT Based Laboratory Service management system	Bangladesh Council of Scientific and Industrial Research
Human Resource Management System	National Housing Authority
Mobile Apps for Cotton Cultivation Technology Transfer	Cotton Development Board
Farmer Registration System for Cotton Development Board	Cotton Development Board
Loan Approval System for Cotton Development Board	Cotton Development Board