

Company Profile



Mazedatech Ltd.

House 14, Road 19

Rupnagar R/A, Pallabi, Dhaka-1216

Phone: 02-9024671, 01982214400, 01982214411

Email: info@mazedatech.com

Web: www.mazedatech.com

1.0 Company Profile

1.1 Background Information of the Firm

Name of the Company	: Mazedatech Ltd.
Nature of Business	: Software and Web Applications Development
Year of Establishment	: 2017
Type of Organization	: Private Ltd. Company
Registration with	: Dhaka North City Corporation
Trade License No	: 02-37325
Tax Identification No	: 387163849414
Permanent Address	: House 14 Road 19 Rupnagar, Dhaka-1216
Phone	: 9024671, 01982214400, 01982214411
Email	: info@mazedatech.com
Web	: www.mazedatech.com

1.1.1 Background

Mazedatech Ltd. is a full service IT Solution Provider that has been operating in Bangladesh market for years with a very high level of success, achieved through an uncompromised service quality and customer satisfaction. Highly trained professionals of Mazedatech Ltd. can ensure a standard of service that remains unmatched by any other player in the market. It has a distinguished and satisfied clientele to whom we have already provided our services.

Only Mazedatech Ltd. can offer its clients the required level of stability, security, reliability and network coverage. It has a wide range of solutions that meet customers' every need for solutions, enterprise automation and presence on the World Wide Web. More details about our products and services are available.

Mazedatech Ltd. has taken up bold and innovative assignments in database programming, systems integration, creation of multimedia products, Website design & development and networking through LAN/WAN, dial-up remote access connectivity. The company has emerged as a system integrator with a vision to develop customized and tailor-made software and also to create product based development job for domestic and international markets. The other objective of the company is to incorporate advanced level computer education & training with an intention to make the company instrumental in reducing the existing wide gap between huge demand and very low supply of the IT professionals by creating skilled manpower in the IT field of the country. Mazedatech Ltd. has its own training division within its office premises at Road: 19 House: 14 Rupnagar R/A, Pallabi Dhaka 1216 for human resource development in the IT sector.

Since its inception the company has grown moderately into a mid-sized organization employing over 24 professionals from diverse academic background. Mazedatech Ltd. has a set of experts who have proficiency in large-scale distributed software development, database, website and multimedia software. The IT professionals of the company have a combination of educational qualification and years of experience in the field of Information Technology. This powerful combination is very much required to implement any project starting from tailor-made database Software to establishment of LAN/WAN system successfully. With latest in-house equipment facilities, resources and project management skills, the company has the capability to undertake large 'Turn-key' software development

project, information needs, design development and implementation of distribution data environment comprising of heterogeneous hardware.

1.1.2 Mazedatech Ltd. Expertise

The professionals of Mazedatech Ltd. are familiar with the latest database & development tools. They have developed a number of systems based on LINUX, Windows NT and Windows XP/Vista/7 platforms using database such as ORACLE, SQL Server, MS Access, etc. Mazedatech Ltd. uses latest tools, techniques and methodology to design and develop software.

Case tools

Rational Rose, Visio Professional, Er-Win, SD Pro, Case PAC

Structured Analysis Methodologies

SSDM based Design and Development standard

ISP based Analysis Standards

Information Engineering Workbench

Prototyping Methodology

4 GL Tool, Screen / Report Generators

RDBMS

Oracle, SQL Server, MS Access, Sybase

Programming Languages & Packages

Visual Studio, PL/SQL, Visual Basic, C, C++, Visual C++, Java, J++, Cold Fusion

Operating System

LINUX, Windows NT, Solaris, Windows XP/Vista/7

Manpower of different disciplines : Total Staff 27

Management : 04

Consultants : 02

Software Developer : 06

Trainee Developers : 04

MIS and System Support : 02

Marketing : 03

Accounts & Admin : 02

Support Staff : 01

Most of the professionals are from diverse academic background. Many of them have training and hands-on experience from leading universities and organizations from Bangladesh and abroad.

1.1.3 Existing office space:

The company is located in the mentioned address having a floor space of 1600 sq. ft. And in this space we are having the following setup-

- 01 (one) room for the management
- 01 (one) computer lab for the software developers and graphics designers
- 01 (one) server room
- 01 (one) room for MIS and System support
- 01 (one) room for the admin and accounts
- 01 (one) conference room

1.1.4 Logistic facilities

PCs (all Pentiums), Optic Fiber Backbone within the premises, Fax, PABX, Internet, Mobile Phones, OHP, LCD panel, Multimedia Projector, Presentation Room, Conference Room, Transport, etc.

1.1.5 Hardware Resource

Intel Pentium IV Duo Processor)	:	3
Training Workstations (Intel Pentium)	:	14
Multimedia Workstations (Intel Pentium) with TV/Video Card	:	2
Laptop/Notebook	:	2
OHP with LCD Panel	:	1
Multimedia Projector	:	1
Scanners	:	2
CD Writers	:	2

1.1.6 Software Resource

LINUX Operating System, Windows NT, Windows 7/Vista, Office 97 Suite, Developer Studio (Visual Basic .NET, Visual C++, Visual C# and Visual FoxPro 5), (All other popular software for assisting Corporate Training)

1.1.7 Mazedatech Ltd. as Software Service Provider

The Professionals of Mazedatech Ltd. have developed a number of systems based on LINUX, Windows NT and Windows platform using database such as ORACLE, SQL Server and MS Access. A number of software has been developed for different organizations. Mazedatech Ltd. has been satisfying the software needs of multinational, national & private organizations.

1.1.8 Mazedatech Ltd. Software Professionals

Mazedatech Ltd. employs over 10 professional from diverse academic background. The professionals of Mazedatech Ltd. have vast experience in the field of Information Technology and are familiar with latest technology, platform, database & development tools. With latest in-house equipment facilities and resource, they have acquired skills to undertake large software project maintenance, implementation and support.

Mazedatech Ltd. is owned and managed by a team of business professionals and technocrats, who have global experiences of harnessing people and technology in the business process. The technical depth of Mazedatech Ltd. people is unique in Technology skills and is always

ready to ensure outstanding performance through consistent accuracy, reliability, timely delivery and cutting edge technology.

The real asset of Mazedatech Ltd. is its team. Company nurtures its talents in a highly skilled manner. HR Policy focuses on talent acquirement, talent development, and talent retention. Mazedatech Ltd. empowers itself by empowering its team.

1.2 List of Professionals

SL No	Name	Qualification	Year of Experience
1	Mahbulul Alam	M.Sc. Engineering in ICT, BUET	16
2	Md. Monzurul Alam	M.Sc. in Applied Physics	10
3	Md. Nazmul Alam	B.Sc. in Computer Science	9
4	Md. Rashedul Haque	B.Sc. in Computer Science	4
5	Md. Shahin Sarowar	B.Sc. in CSE	3
6	Md. Shahid Ullah Bhuiyan	M.Sc. in ICT	6
7	Md. Mominur Rahman	B.Sc. in CSE	2
8	Md. Sujon Mia	B.Sc. in CSE	4
9	Md. Anowar Hossain	B.Sc. in CSE	2
10	Joy Dev Benarjee	B.Sc. in CSE	6
11	Wahidur Rahman Siddique	B.Sc. in CSE	8
12	Sazzadur Rahman	MBA	8
13	Md. Shahabuddin Ahamed	B.Sc. in Computer Science	3
14	Razzaque Hossain	MBA	9
15	AHM Ashfaque Hossain	M.Sc.	6
16	Md. Mohiuddin Khosnobish	BA	5
17	Md. Muhashin SK	M.Com (Management)	5

2.0 Work Experience

2.1 List of Major Projects Completed

- Freight Forward Management System (FreightPro)
- Retail Management System (RetailPro)
- Restaurant Management System (RESPro)
- Accounting System (AccPro)
- Business Automation System (BizPro)
- Office Management System (OMSPro)
- Patient Management System (PMSPro)

2.2 List of Major Ongoing Projects

- Human Resources Management System
- Hospital Management System
- Student Management System

2.3 List of developed web site and web applications

- www.tajilainteriors.com
- www.speakglobeonline.com
- www.biorehab.org
- www.massive-electronicsbd.com
- www.ecrans.ch
- www.webpix.ch
- www.mowr.gov.bd
- www.supersaverbd.com
- www.codesemiconductor.com
- www.ahonaengineers.com
- www.auspest.com
- www.ninmas.org
- www.eur-solutions.com
- www.diganta.org

3.0 Approaches and Methodology

Mazdatech Ltd.'s software development methodology covers the entire life cycle of an information system, from the initial planning to the end of the System's useful life. In this approach, project is planned, organized and controlled by a set of activities, which ends with the production of a deliverable or a set of deliverables. The approach not only ensures repeatability of the process but also enables setting up intermediate control points.

3.1 Software Development Approach

Requirements Study

A team of Mazdatech Ltd. has interacted with the client's user groups to identify how and which requirement will be needed to the proposed system. The preliminary requirement study covered as follows:

- Determine scope and objectives.
- Examine existing manual system, Determine Information Flow.
- Identify Information Processing needs & Performance requirements, Volume of transactions.
- Identify sensitive information, which requires complete security.
- Outline User Requirements.
- Identify Data Storage needs & growth requirement.
- Determine Use cases
- Determine training need, Interface requirement and Conversion requirement.

Preliminary Design

This phase is to design the overall functioning of proposed system and to establish the functional and physical rules and guidelines governing the system as a whole. The tasks are as follows:

- Prepare Conceptual and Physical Models based on use cases
- Prepare Functional Specifications and their interrelation
- Develop Preliminary Design
- Perform Inspection through Quality Assurance
- Review & Update Preliminary Design for user authorization
- Submit Functional Specifications for user authorization

At this stage Acceptance test case criteria can be set up.

Detail Design

In this phase tasks are as follows:

- Review and Update Preliminary Design
- Develop Class Architecture
- Review and Update Functional Specification and their interrelation
- Review and Update restore Class Architecture
- Backup & Restore Plan
- Develop Detail Design
- Perform Inspection through Quality Assurance
- Review & Update Detail Design
- Submit Detail Design for user authorization

Program design

At this phase the tasks are as follows:

- Review and Update Preliminary Design
- Develop program Specifications

Construction Coding

At this phase the tasks are as follows:

- Prepare Program code
- Perform Inspection through Quality Assurance
- Review & Update

3.2 Testing

System Test and Acceptance test

A comprehensive system test plan including test strategy, test objectives, and conditions for testing will be prepared. Also test objectives, and modular test cases will be prepared in consultation with the client's representatives.

After successful system testing, client's user will be taken through an acceptance test procedure to validate pre-set acceptance criteria and formally sign-off the system. We would like to involve the user during the system test itself to make the process smooth and seamless and increase ownership to the end product from as early as possible.

Data Preparation /Conversion

Based on the finalized requirements, a conversion / preparation strategy will be drawn up. The target will be to have data ready before system and acceptance tests. Client will be provided with data preparation forms and procedures will be used for the conversion.

System Installation

The system will be installed at client's pc within time frame after getting work order.

Implementation

Mazdatech Ltd. will implant the application software at the client's head office in Dhaka. Implementation will comprise of final documentation of the system and hand holding of the end-users to make the system go live.

User Training

We will provide the necessary training to client's personnel. The training will be an on-going process involving the users at every stage of the project.

3.3 Project Management Approach

Mazdatech Ltd. has the Project Management experience through the usage of well-proven project management tool within the framework of System Management Methodology (SMM).

At the very beginning a Steering Committee, comprising of senior members from client and Mazdatech Ltd. will be formed. This committee will supervise progress of the project and will also provide resolution of issues that are critical to the project. Periodical meetings are recommended to oversee the project. Issue resolution is a very important part of project management and hence related procedures need to be defined as soon as possible and if the resolution cannot be obtained at the project manager level, then they will be reported to the next steering committee meeting for resolution.

We believe that the success of a project of this scope requires that the key milestones of project be clearly defined and that qualified staff with necessary management, technical and functional expertise be assigned to the project. Our approach to project management is based on the consideration that the following factors play a key role in timely and satisfactory completion of project.

Project team experience base and skills mix

The first and most important element of our project management plan for the successful implementation of the project is providing the right mix of management, functional and technical skills and matching the best available talent within the Mazdatech Ltd. members, to the needs of the project.

Proper understanding of user requirements

A key to the success of this project will be a clear understanding of the needs of the client. The initial phases of our proposed work plan i.e. requirement study and system design will be done by Mazdatech Ltd. developer group involving client's user groups for ensuring right information from right person.

Comprehensive work plan

Our approach to project planning is based on dividing the project into manageable tasks with associated deliverables. The work plan will incorporate activities like technical, managerial and quality assurance reviews in order to ensure that there would be no late surprises during implementation of the systems. There will be regular updating of the work plan, as per actual progress of the work and plan revisions, if any. The project monitoring and reporting will be done on the basis of the plan.

Issue Identification and Resolution

An important part of managing a project is to identify and resolve key issues that could affect the timely and successful completion of the project. Our approach to manage such issues is to identify them early, before they start to adversely affect the project, and set up procedures and instruments for their speedy resolutions.

Commitment to keep senior management informed on status

Our approach is designed to measure project progress monthly through fortnightly status reports in a format agreed upon with clients reports will include tasks accomplished, plan for the next period and any critical issues encountered.

Commitment to keep users involved

Experience says that no application system can really be effectively implemented unless the end users of the system develop a strong sense of ownership to the system. We will attempt to keep the end users involved through various activities e.g. involvement during system presentation, testing and walkthroughs so that user ownership grows. In addition, exhaustive training of users is always provided.

3.4 Quality Management Approach

Mazedatech Ltd. is committed to actively assure quality of the project throughout the project life cycle. In order to ensure that the project meets the needs, objectives and expectations of the funding and implementing agencies, three quality components will be evaluated throughout the project. They are:

- Technical quality
- Service quality

To ensure that each and every activity carried out in the project adds value to the end product, and every deliverable-produced meets the quality standard, our approach would be:

Preparation of quality plan

A quality plan will be prepared at the beginning of the project laying down quality procedures to be followed, review method for various deliverables and procedures for document control, and quality review checkpoints.

Quality review

A quality review will be done and a quality checklist set for every deliverable before it is submitted to client. This will include programs, test plans, specifications, training materials etc.

3.5 Methods and tools applied to work

Method:

We will use Structured System Development Methodology (SSDM), which is a structured approach to system development, which combines project management, system reviews, design, development and implementation. This methodology includes extensive attention to the needed to ensure quality and productivity. For executing the project SSDM's Customized Software development methodology will be mainly used.

Performance Warranty of the Software

The application software system is expected to settle down once various programs data is installed in a computer system. This should happen within first two months of installation, at a substantial scale, depending upon client's keenness on implementation.

The warranty is proposed to be executed through physical presence of a member of Mazedatech Ltd. team. During warranty period of above software, support would include software bug fixing or non-performance issues

Mazedatech Ltd. recommends a one monthly review of operational of application software. As part of warranty support, Mazedatech Ltd. would nominate a team member to attend these operational reviews

After completion of implementation process the warranty period will start, **Mazedatech Ltd.** will provide **One-year** warranty for the proposed software free of cost.

3.6 Maintenance Service

Mazedatech Ltd. team member provide maintenance service on the basis of yearly contract agreement.

3.7 Training

In order to implement the Computerization and maintenance properly, Mazedatech Ltd. believes that users of different hierarchy must be given necessary training.

We have suggested identifying different level of training and number of personnel to be trained in our approach to the definition of requirement list preparation, which will form the basis of preparing training manuals, methodology and duration of training. These shall broadly cover:

- Supervisory & Managerial Training
- Software Training

Training will be conducted through lecture, workshop and hands on sessions.

Training for Managers and Supervisors

Training for Managers and Supervisors shall involve the Managers in understanding & visualizing the systems information flow from the beginning till the end. The focus of training shall be on liaison & co-ordination both timely and regularly with the user departments. This will change the functionality of both the hardware & software systems. They will be trained on how to confront the systems & procedural changes as these occur. Optimizing on immediate response-time shall be the core of their training course.

Software Training

Software training will be implemented fully only with complete & whole-hearted involvement of clients personnel. Mazedatech Ltd. shall back this process with sufficient number of classroom training and hands-on practical demonstration. Mazedatech Ltd. will provide adequate training on features of operating systems and application software specifications. Mazedatech Ltd. proposes to utilize all published information regarding software application for the purpose of the project.

4.8 Training materials and facilities

Mazdatech Ltd. will provide requisite training material; Client has to provide the classroom and other infrastructure facilities.

Aligning Training to match Corporate Goals

Mazdatech Ltd. has considered the fact that adult training is relatively formidable experience both for the Trainer and the Trainee. Given this daunting challenge, Mazdatech Ltd. proposes to suggest a Training Program that will stimulate the intellect of the participants on knowledge already acquired and thrust this stimulation toward a newer experience through a sharing and participation with colleagues. These would cover issues pertaining to the present proposed changes with a view to advancing toward the future in consonance with clients' corporate philosophy.

