



**Serving The ICT Industry for 23 years**

# **ETHICS ADVANCE TECHNOLOGY LTD COMPANY PROFILE**

# Background

Ethics Advance Technology Limited (EATL) is a leading private enterprise with innovative ICT services and solutions in Bangladesh established in July 2000. The key purpose of EATL is to provide a wide range of solutions dedicated to the country's socio-economic and business development. Since its inception, EATL's dedication and diligence in remaining technically astute have been the key factor in engaging a large number of clientele within the government, development agencies, international NGOs, business organizations, universities, hospitals, pharmaceuticals, and private sector organizations. EATL is staffed with the best, both local and foreign-educated talents and professionals, to ensure world-class products and services of high quality at a competitive price to its clients.

EATL is inclined to work with cutting-edge technology from the beginning and has experience in developing micro-services-based system architecture and distributed database management systems, real-life deployment of large-scale databases that can handle terabytes of data on a daily basis. At EATL, we maintain separate groups of experts on e-learning content development, mobile application development, business intelligence (BI), and AR/VR for delivering creative solutions to partners.



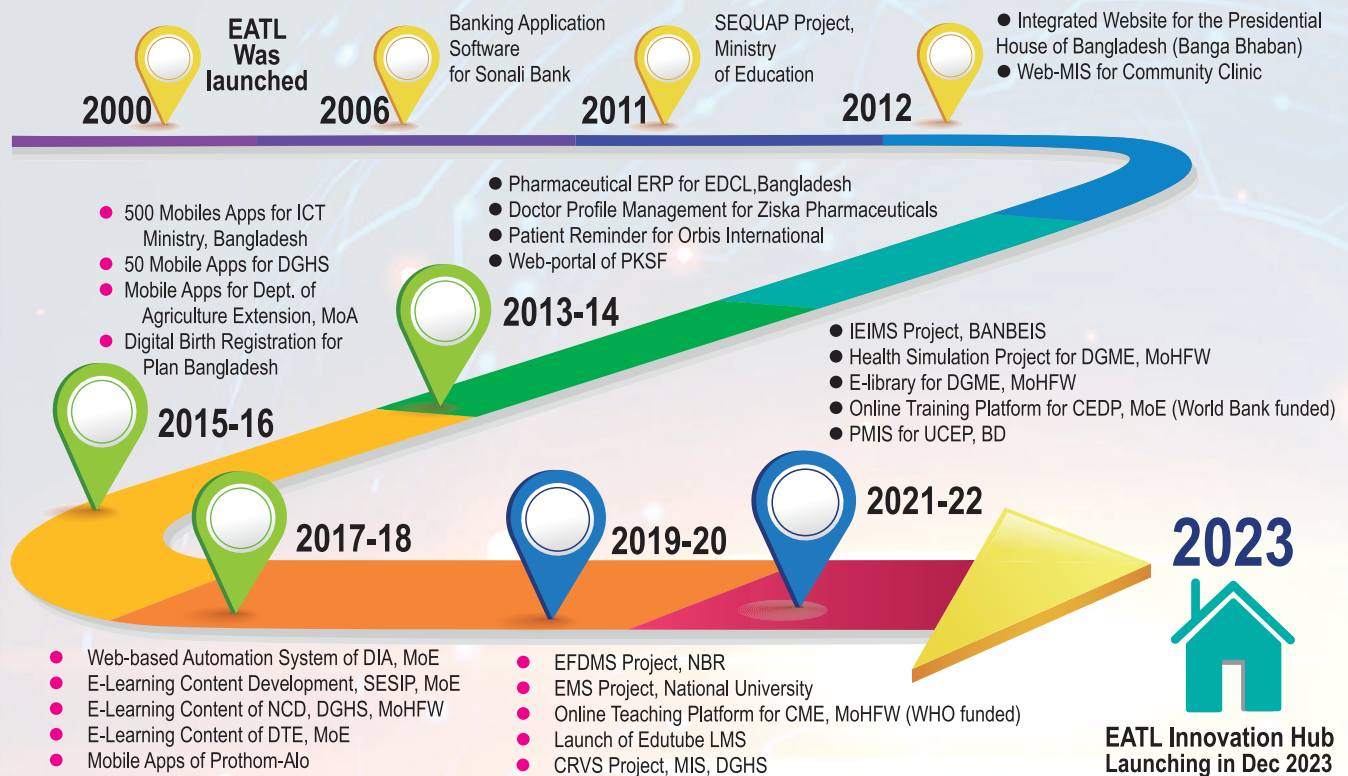
## Message from the Managing Director

The drive for sustainability begins with desired performance and results, adhering to commitments and technological innovation. EATL has been working on these aspects for more than two decades and focusing on customer satisfaction.

I believe in the technically qualified resources that we manage. I believe in the products and software services that we offer to meet our client needs. I believe in our employees, whose energy and ingenuity continue to drive our company forward. I believe in quality as well as an approach to continuous improvement. I honor the commitments with our partners and community.

We understand that long-term success depends on our ability to generate superior returns to our customers and drive through innovations for sustained growth. Our vision is to create the best ICT products and services to serve the nation and the globe.

# Our Journey So Far in ICT



## Why EATL?

- We have practical experience of deploying large-scale micro-services-architecture-based distributed systems over cloud servers in government and autonomous organizations (client: National Board of Revenue, Ministry of Finance, Bangladesh and BABEIS, Ministry of Education).
- We are handling secured profiles of more than 3.5 million students, teachers and administrative users for the Examination Management System of National University, Bangladesh which is the 3rd largest university according to enrollment in the world.
- We have developed auditing software from more than 37,000 schools and educational institutes under the Directorate of Inspection & Audit (DIA) of Ministry of Education, Bangladesh.
- We have developed the secured network of Electronic Fiscal Device Management System (EFDMS) project of National Board of Revenue, Ministry of Finance Bangladesh. All real-time transactions are securely transferred from end-terminals to the distributed DB in encrypted channels.
- We have deployed ERP solutions for national level pharmaceuticals like EDCL and Ziska in Bangladesh and have deployed Hospital Management Information System (HMIS) in multiple hospitals and clinics.

- We are working on AI and IoT integration for HMIS and worked with modern business intelligence (BI) tools for data-driven analysis and decision-making.
- We have developed audio-visuals, animations, simulations and other e-learning contents for national level projects like SESIP & TQI-II for Ministry of Education, Bangladesh.
- We have our own innovation hub with separate R&D lab facilities for AI, Big Data, IoT, AR/VR and QA.
- We are working with latest development tools in CI/CD DevOps environment and have deployments for multiple clients in Docker and Kubernetes platforms.
- We have worked in more than 250+ projects with various organizations of Government, international NGOs, MNCs and donors like the World Bank Group, Asian Development Bank (ADB), World Health Organization (WHO), Plan International, ICDDR,B, Orbis International etc.



# Milestone Projects of EATL



EATL completed the project "Development and Implementation of Examination Management System for National University" in 2021. Currently, operations and maintenance are underway. The goal of the Examination Management System (EMS) was to automate the entire process of the Examination Division of National University, Bangladesh.

EATL is currently working on the "Software design and development for Educational Information Management to be used by MOE, BANBEIS, DSHE, DTE, DME, NTRCA and others with maintenance support for 3 (three) years" project for IEIMS, Bangladesh Bureau of Educational Information & Statistics (BANBEIS), Ministry of Education, Bangladesh.



EATL-SZZT-KMMT-Synesis IT JV completed a nationwide project titled "Supply, Installation and Commissioning and Operation of Electronic Fiscal Device Management Systems (EFDMS) along with Electronic Fiscal Device (EFD), Sales Data Controller (SDC) and Managed Services" for National Board of Revenue (NBR) of Ministry of Finance of Bangladesh. This micro-service architecture-based software development was the first ever in Bangladesh. The purpose of this assignment was to capture and store the transaction data of the retail/ wholesale outlets in the country.

In 2020, EATL completed the project "Development of Web Based Automation System" for the Educational Institutions & Directorate of Inspection and Audit (DIA). Through this automated system, DIA can monitor the overall activities of the 37,000 schools, colleges and educational institutions centrally for improvement and quality education.



EATL completed the educational content development project for Secondary Education Sector Investment Program (SESIP) named "Development Of E-Learning Modules for Six Subjects" in 2019.

EATL completed deployment of the "Establish e-Library Management and Set Up Web Based Medical Student Facilities Management" project for the Directorate General of Medical Education (DGME) of Ministry of Health and Family Welfare, Bangladesh.



EATL completed the "Establishing Digital Birth and Death Notification System and Capacity Building in Health System for Strengthening EPI and CVRS in Bangladesh" project for MIS of Directorate General of Health Services (DGHS), Ministry of Health and Family Welfare (MoHFW) in 2020. This was a gradual national scale rollout for overall strengthening of immunizing coverage and CRVS in Bangladesh to achieve health-related SDGs.

EATL successfully completed the "Support conducting online teaching-learning of undergraduate students of the Government Medical Colleges in Bangladesh" project for Centre for Medical Education (CME) through Edutube LMS in 2021. The main purpose of this WHO funded project was to facilitate online teaching-learning for the undergraduate medical college students and their trainers.



In 2023, EATL began a project funded by World Bank. Titled "ICT-based Students Competitions Management Consultant =Creating an enabling understanding among the students to discover green growth leaders for the next generations in Bangladesh". The World Bank will support green education and enhance understanding of the green economy among the youths of Bangladesh through this project.

In 2023, EATL also began the project "Design, Development, Implementation and Maintenance of Learning Management System (LMS) for National University, Bangladesh", the development is currently ongoing. The client of this project is College Education Development Project (CEDP), funded by World Bank and managed by Ministry of Education.



# Hospital Information System



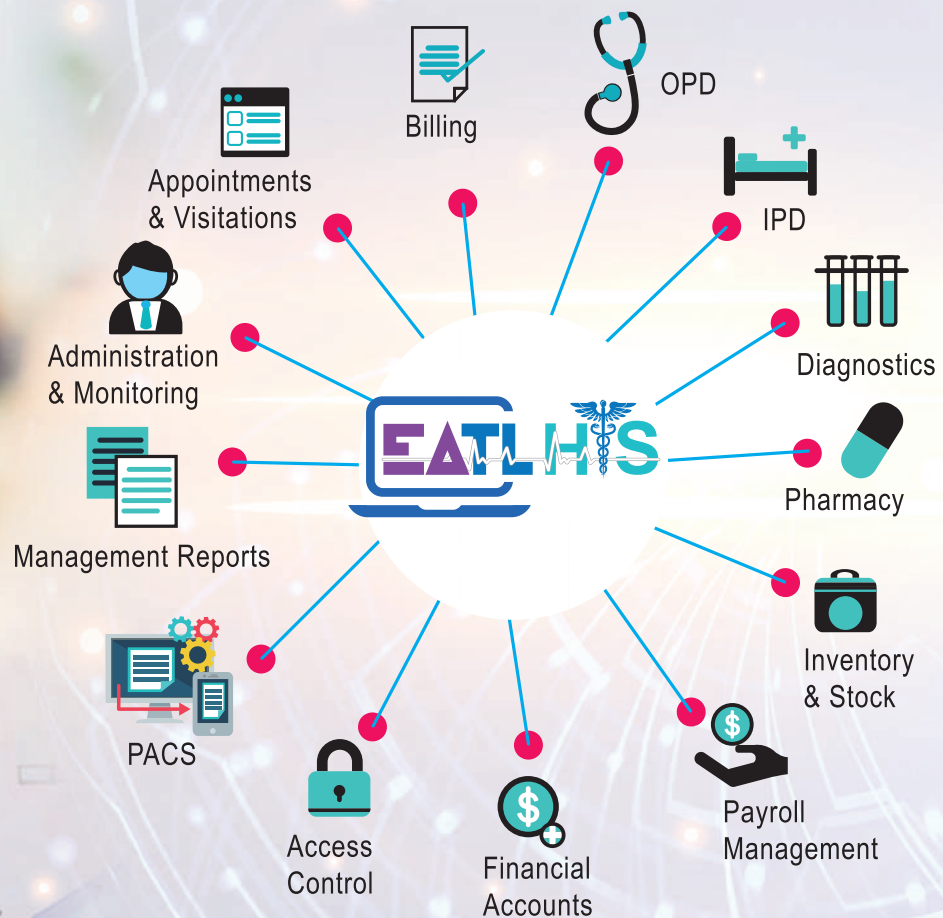
## Major Features:

**Architecture:** Micro-services based distributed system    **Technology:** Java Spring boot and Angular

**Platform:** Docker and Kubernetes platform containers for cloud operations

**Integration:** AI tools and APIs, BI tools like Power BI, Jaspersoft, Google charts etc.

**Delivery:** On-premise or Cloud based. Total 98+ types of analyzers are successfully integrated.



## Top Capabilities of HIS

- Full Automation
- One-Point Solution for All Aspects
- Customizability
- Enhanced Processes
- Digital Storage of Medical Information
- Interaction Forum
- Checking Figures and Stats in Real-time
- Better Control Overspending
- Self-Service Options for Patients

# edutube

www.edutubebd.com

Learning gets better with sharing

(An e-education initiative of  EATL)

## Contents

Free online courses  
with animation, videos.

Join the community. Create a course and earn.



In developing countries, majority students are deprived of educational contents, lectures, notes and demonstrations due to the lack of infrastructure, qualified teachers and guidance and support. The purpose of edutube is to remove all these barriers so that everyone gets same benefits out of learning and sharing. We have built a capable team of e-learning content developers who are expert in preparing audio-visuals, animations, simulations and graphics. Our online portal edutubebd.com enables teachers and students to share their contents with others who in need of quality contents.

**The three main features of the portal are –**

(i) Online content: academicians, teachers, skilled professional can prepare their own FREE or PAID courses in native language, integrating local payment channels integrated, and student can enroll and learn.

(ii) Virtual class: The portal has unique features like live classroom, free online complete videos for all levels, features like creating account, opening profile, uploading own digital educational content and sharing with each other.

(iii) Learning Assistance Service where interested teachers can teach in their free time with the help of only a computer, webcam and internet.



### Educational Content Sharing

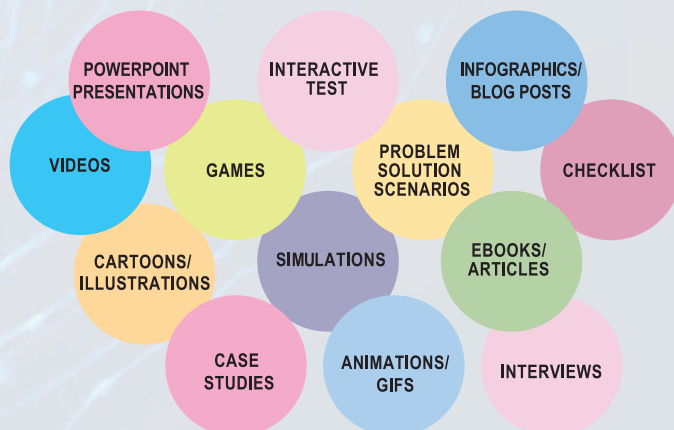
- Class materials
- Assignment & quiz
- Teaching-learning process virtualization

### Training Management System

- teacher, student, course information
- sharing of course materials, assignment
- attendance, online quiz, performance records
- performance tracking
- management/administration
- reporting and delivery of educational programs

### Virtual Classroom (Online Training)

- students attend classes remotely
- real-time interaction between students and teachers
- third-party online class integration (zoom)



# Edutube LMS

**edutube**  
www.edutubebd.com  
Learning gets better with sharing

Edutube LMS is a robust and flexible platform for managing the teaching-learning process. It is highly customized to meet the requirements of various types of educational institutes such as university, medical college, school and college, technical institutes. This platform enabled many educational institutes to adapt blended learning during the COVID-19 pandemic.

## Major Features

### Performance Tracking & Analysis:

- Monitoring student and teacher performance
- Integration of BI tools

### Course Management:

- Course calendar
- Course outline & outcomes
- Class & examination schedules

### Localization:

- Local languages
- Local contents
- Multi-language support

### Content Management

- Supports wide range of documents, graphics and audio-visual formats
- Upload, tagging, publishing searching & download

### Assessment, Evaluation & Result Processing:

- Online quiz, assignment, exam creation
- Online submission and evaluation
- Realtime & offline examination support
- Flexible grading & result publication

### Privacy & Security:

- Hosted in AWS with security & scalability
- Data encryption
- 2-factor authentication enabled

### Online Class Management:

- Virtual class & meeting facilities
- Integration with any third-party tools
- Feedback collection

### User Management:

- Admin, students, teachers, parents & staff
- Customized dashboard
- Group & attendance management

## Top 10 benefits of Edutube LMS



## PARTNERS



## MAJOR CLIENTS



## TECHNOLOGIES



## ETHICS ADVANCE TECHNOLOGY LTD. (EATL)

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