

NEUR BYTE

CORPORATE PROFILE & CAPABILITY STATEMENT

Engineering Digital Excellence.

Enterprise Software Solutions, Intelligent
Automation & Elite IT Incubation.

Bridging the gap between complex operational challenges and secure, scalable digital infrastructure for modern B2B enterprises.

ESTABLISHED

2011

HEADQUARTERS

Software Tech Park, Jashore

WEBSITE

neurobyteit.com

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PROVEN TECHNICAL MASTERY

"Our methodology ensures that every technical commitment is met with institutional compliance and high-performance engineering. Navigation through this profile will reveal our core capabilities in AI, Cloud Architecture, Digital Content, and Human Capital development."

EXECUTIVE OVERVIEW



Who We Are

NeuroByte is a dual-engine technology powerhouse operating from the prestigious Software Technology Park. On one hand, we are an elite IT solutions agency delivering enterprise-grade Custom Web Architecture, AI Automation, and IoT infrastructures for corporate clients.

On the other, we are a leading capacity-building institution. This unique positioning gives us an unparalleled advantage: **we don't just utilize technology; we teach it.**

Corporate Vision

To serve as the premier technology backbone for businesses seeking automated innovation, while cultivating the most capable IT research ecosystem in Bangladesh.

Our Core Philosophy

We believe in precision engineering. Whether we are automating a corporate workflow with AI or training the next generation of engineers, our focus remains on "Real Skills" and measurable outcomes.

Operational Scale & Impact

15+

YEARS
PRESENCE

1595

SQFT LAB

1006+

PROFESSIONALS

98%

PLACEMENT

— ENTERPRISE SERVICE PORTFOLIO

We transition businesses from traditional, manual operations to high-performing, automated digital environments. Our technical capacity is structured into four highly specialized verticals..



AI & Business Automation

We eliminate corporate bottlenecks by building intelligent workflows. Our engineering team specializes in developing Custom AI Agents, fine-tuning Large Language Models (LLMs), and architecting complex n8n automation pipelines for data processing.

- Custom AI Assistants & Chatbots
- n8n Workflow Automation
- Automated Data Scraping & Analysis



Custom Web Architecture

We engineer secure, scalable, and high-performance web applications tailored to specific business logic. Utilizing robust stacks (PHP, Laravel, MySQL), we deliver systems that can handle enterprise-level traffic seamlessly.

- Enterprise Resource Planning (ERP)
- Custom B2B SaaS Platforms
- High-conversion E-Commerce Systems



Enterprise IT & IoT

Led by MikroTik Certified Engineers (MTCNA, MTCRE, MTCSE), we design bulletproof corporate IT infrastructures. From advanced Palo Alto firewall deployments to custom IoT hardware prototyping, we secure your assets.

- Secure Network Architecture
- Hardware/IoT Prototyping (Arduino)
- Server Management & Security



Corporate Capacity Building

As a premier training institute, we don't just build software; we build teams. We offer specialized, enterprise-grade training programs to upskill your in-house staff in the latest AI tools and frameworks.

- B2B Workforce Upskilling
- NSDA Certified Training Modules
- UI/UX & Design Psychology Training

— COMPLIANCE & GOVT. AFFILIATIONS

NeuroByte is deeply integrated into the national technological ecosystem. We operate under stringent regulatory frameworks, ensuring enterprise-grade compliance for ITES services and public sector projects.

BASIS Membership (ITES)

As a recognized entity under the Information Technology Enabled Services (ITES) category, we align with BASIS standards to deliver high-quality Software Development, Digital Content, and Cyber Security services.

SICIP & ASSET Projects

We strictly comply with SICIP project requirements and actively implement the ASSET project (via ISISC), ensuring our capacity building and IT infrastructures meet national mandates.

Bangladesh Hi-Tech Park (BHTPA)

Registered within the Software Technology Park (STP), our operations are fully vetted by the BHTPA, granting us access to elite infrastructural advantages and compliance metrics.

NSDA & BTEB Authorized

We are an authorized training partner under the National Skills Development Authority and affiliated with the Bangladesh Technical Education Board (BTEB) for professional upskilling.



— SOFTWARE & APP DEVELOPMENT

We build scalable software ecosystems. Our engineering teams specialize in crafting dynamic CMS platforms, complex web architectures, and seamless mobile applications designed for high performance.



Advanced CMS & Web Platforms

Leveraging robust frameworks like Laravel and Filament, alongside our proprietary dynamic PHP engines, we create highly customizable admin panels featuring advanced drag-and-drop mechanics and real-time data processing.



Native Android Application Engineering

Our mobile dev unit utilizes Android Studio to build natively optimized applications. We focus on strict UI/UX guidelines, fluid animations, and secure API endpoints to deliver enterprise-ready mobile experiences.



Custom ITES Integration

Fully aligned with BASIS ITES keywords, we provide bespoke software integrations, student management architectures, and automated internal workflows tailored to solve complex B2B operational bottlenecks.

— PROPRIETARY SAAS SOLUTIONS

Beyond client services, NeuroByte actively researches and develops its own suite of Software-as-a-Service (SaaS) platforms. These proprietary products demonstrate our core engineering capability to build scalable, commercial-grade solutions for global markets.

SaaS PRODUCT 01

Study Desk Platform

A comprehensive digitization module engineered specifically for educational institutions. It eliminates administrative bottlenecks through intelligent automation.

Cloud-based Attendance

Secure Examination Systems

Real-time Performance Analytics

SaaS PRODUCT 02

TrackMate SaaS

An AI-driven personal management tool designed to function as an intelligent daily journal and expense tracker, utilizing predictive AI to provide automated behavioral insights.

AI Expense Tracking

Intelligent Journaling

Automated Financial Insights



— CYBER SECURITY & IT SUPPORT

In an era of relentless digital threats, NeuroByte provides military-grade network security and 24/7 IT infrastructure management. We ensure your corporate data remains impenetrable and your operations run without downtime.



Enterprise Cyber Security

Led by certified security specialists, we deploy advanced firewall configurations, perform rigorous vulnerability assessments, and implement zero-trust architectures.

- Palo Alto & Sophos Firewall Deployment
- Ransomware Protection & Data Encryption
- Regular VAPT (Vulnerability Assessment)

Managed IT Infrastructure

Our MikroTik Certified Engineers (MTCNA, MTCRE) design, implement, and maintain bulletproof corporate networks, ensuring 99.9% uptime for B2B enterprises.

- Secure VPN & Remote Access Setup
- Enterprise Server & Cloud Management
- 24/7 SLA-Backed Tech Support



We adhere strictly to international data protection compliance, ensuring your digital assets are shielded against both external breaches and internal vulnerabilities.

— AI & DATA ANALYTICS

Data is the new currency, and Artificial Intelligence is the engine that drives it. NeuroByte empowers businesses to transition from reactive operations to predictive, AI-driven ecosystems.

Intelligent Automation (n8n)

We eliminate manual data entry and repetitive tasks by architecting complex n8n workflows. Our systems connect disparate APIs, automating data flow across your entire organization seamlessly.

Custom LLM & AI Agents

Off-the-shelf AI isn't enough for enterprise logic. Our Prompt Engineers and AI Researchers fine-tune Large Language Models (LLMs) to create custom AI Assistants that understand your specific company knowledge base.



Core Data Capabilities



Data Digitization

Converting raw, unstructured corporate data into clean, searchable, and structured databases.



Automated Scraping

Building ethical, high-speed data scrapers to monitor market trends, competitor pricing, and B2B leads.



Predictive Analytics

Utilizing historical data to forecast trends, optimize supply chains, and guide strategic executive decisions.

— DIGITAL CONTENT & UI/UX

In the digital economy, user experience dictates market dominance. Our design engineering team merges cognitive psychology with high-end aesthetics to build intuitive interfaces and compelling digital narratives.



Enterprise UI/UX Engineering

We don't just draw screens; we architect user journeys. Using industry-standard tools like Figma, we develop interactive wireframes and high-fidelity prototypes that minimize user friction.

- User Research & Persona Mapping
- Interactive Prototyping (Figma/Adobe)
- B2B Dashboard & App UI Design

Data Digitization & Content

Operating under the BASIS ITES framework, we convert legacy systems into modern digital formats and produce high-value corporate media, ensuring technical documentation is engaging.

- Corporate ITES Data Digitization
- Technical System Documentation
- Multimedia Brand Strategy

OUR DESIGN PHILOSOPHY

"Form must always follow function. A beautifully designed application is useless if it confuses the end-user. We bridge the gap between complex backend engineering and frontend simplicity."

— PROFESSIONAL IT TRAINING

At NeuroByte, capacity building is woven into our corporate DNA. We operate an elite, government-authorized IT incubation center designed to transform academic potential into enterprise-ready engineering talent.



Corporate Upskilling (B2B)

We empower corporate teams by upgrading their technical stacks. From adopting AI workflows to mastering secure cloud deployments, our bespoke B2B training ensures your workforce remains competitive.



Govt. Certification Tracks

As an NSDA & BTEB affiliated institution, we deliver rigorous certification programs. Our curriculum is strictly aligned with national competency standards for Database Programming and IT Support.

Core Training Verticals

01

Full-Stack Web Engineering

Intensive hands-on training covering PHP, Laravel, Filament, MySQL, and modern JavaScript architectures.

02

Advanced Networking & Security

MikroTik certified routing, Palo Alto firewall configuration, and defensive cyber security methodologies.

03

AI & Prompt Engineering Masterclass

Training executives and developers to integrate LLMs, use advanced prompts, and build AI agents via n8n.

— SMART LAB INFRASTRUCTURE

NeuroByte houses one of the most advanced technical training and research environments in the Software Technology Park. Our 1,590 SqFt Smart Lab is engineered to simulate high-pressure, real-world corporate IT environments.



Enterprise-Grade Hardware

We do not compromise on computing power. Our labs are built to handle heavy data processing, AI model fine-tuning, and complex server simulations seamlessly.

- High-performance 32GB RAM Workstations
- Dedicated AI Processing Units (GPUs)
- IoT & Arduino Hardware Prototyping Kits

Physical Networking Lab

Students and corporate trainees interact with actual physical servers and routers, moving beyond theory into practical, tactile engineering.

- Live MikroTik RouterOS Environments
- Palo Alto Hardware Firewalls
- Enterprise Switch Configurations



METHODOLOGY & CASE STUDIES

Quality is not an accident; it is the result of intelligent effort. At NeuroByte, we follow a strict, transparent, and agile development lifecycle to ensure every project is delivered on time, within budget, and beyond expectations.

1 Discovery & Architecture Setup

We begin by deeply understanding business logic. System architects design database structures, API endpoints, and user flows before a single line of code is written.

2 Agile Development Sprints

Our cross-functional teams work in agile sprints. We build incrementally, allowing clients to review functional modules early and provide feedback to ensure perfect alignment.

3 Rigorous QA & Security Testing

Every system undergoes strict Quality Assurance. Dedicated QA testers perform vulnerability checks, SQL injection tests, and UI validation across multiple devices.

4 Deployment & SLA Support

Post-deployment, we don't disappear. NeuroByte offers robust SLA-backed support and maintenance to ensure corporate infrastructures run flawlessly 24/7.

Case Study Focus: Digital Transformation

B2B Enterprise

By implementing our custom Laravel ERP and automating data entry via n8n workflows, we successfully reduced a client's operational bottleneck by 40%, directly increasing their B2B service delivery speed while maintaining complete data security compliance.

— CORPORATE LEADERSHIP

NeuroByte is guided by a visionary executive team dedicated to bridging the gap between national technological capacity and enterprise-level execution.



Sangida Yesmin

MANAGING DIRECTOR

"Our vision at NeuroByte is not just to consume technology, but to engineer it. We are building an ecosystem where corporate innovation meets human capacity development, ensuring our B2B partners stay ahead in a rapidly evolving digital economy."

















Md Saiful Islam

HEAD OF IT OPERATIONS & TRAINING

Spearheading both the enterprise service delivery and national-level training initiatives (including NSDA & ASSET projects). He ensures strict compliance, operational agility, and the continuous upskilling of our engineering workforce.

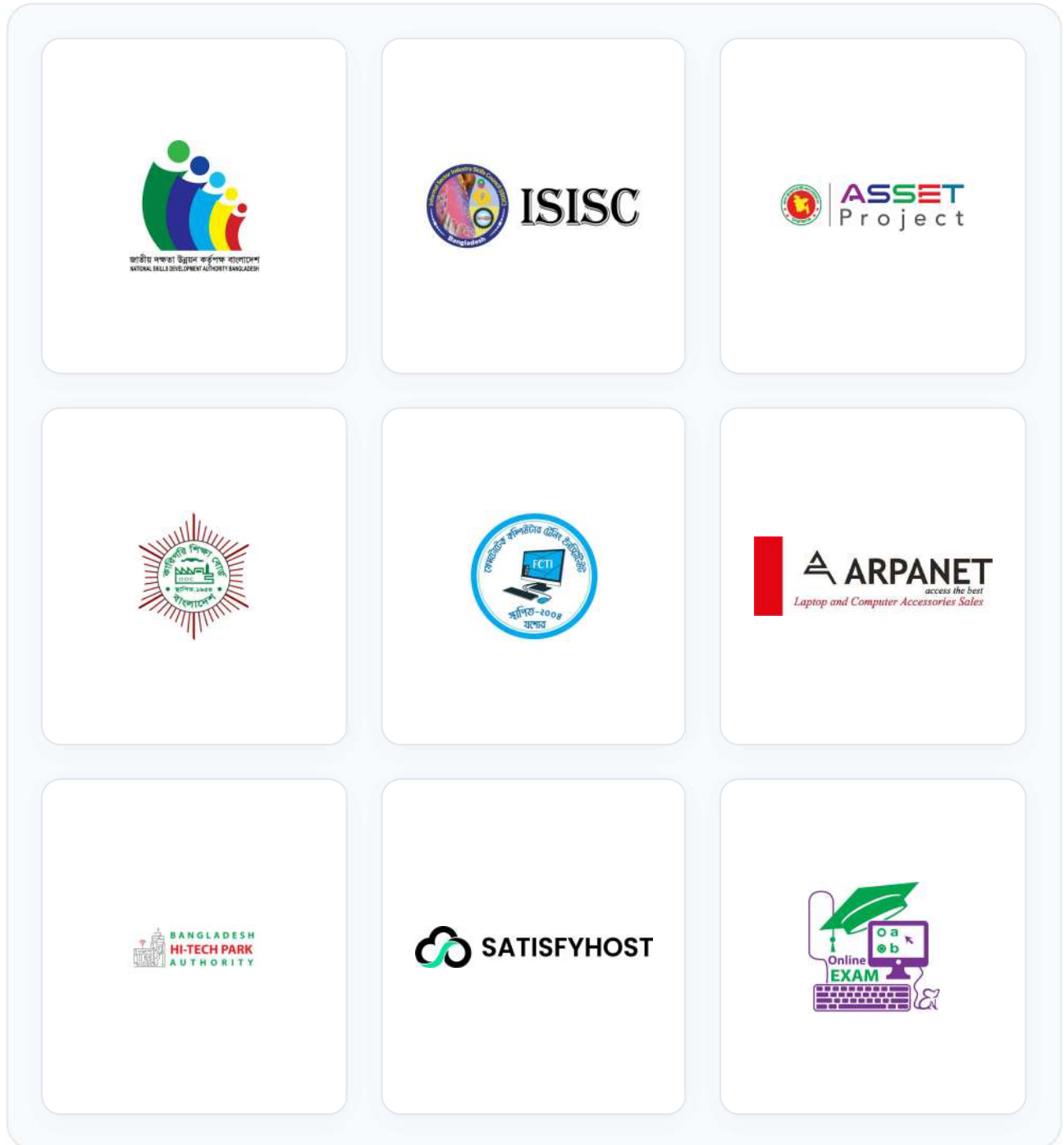
— ENGINEERING & TECHNICAL TEAM

The strength of NeuroByte lies in its specialized talent. We maintain a highly certified, cross-functional workforce of specialists spanning core engineering, intelligent automation, and infrastructure support.

 <p>MD Aklus Hossen HR & Ops Lead</p>	 <p>Prioranjon Dutta B2B Project Manager</p>	 <p>Md Samiullah Lead Web Architect</p>	 <p>AI Amin Porbot AI Agent Developer</p>
 <p>Abu Bakker AI Data Researcher</p>	 <p>Afsana Prova Prompt Engineer</p>	 <p>Sakibul Hasan IoT Systems Engineer</p>	 <p>Sharmin Akter Corporate IT Trainer</p>
 <p>Mehedi Mamun UI/UX & Branding</p>	 <p>Rakibul Hasan Infrastructure Support</p>	 <p>Sharif Barkat Ullah System Admin</p>	 <p>Lopa Akter Liya Software QA</p>
 <p>Md Ibrahim Sheshir IoT Lab Technician</p>	 <p>Fazilatunnesa Digital Marketing</p>		

— TRUSTED PARTNERS & AFFILIATIONS

We believe that great engineering is built on strong collaborations. NeuroByte actively partners with government regulatory bodies, global technology providers, and leading corporate enterprises to deliver uncompromised excellence.



NEURO  **BYTE**

Ready to Innovate Together?

Whether you require an intelligent automated workflow, a scalable web application, or enterprise IT capacity building for your workforce, NeuroByte is equipped to elevate your operations.

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