

NODES DIGITAL LIMITED

DIGITIZING YOUR IMAGINATION.

Ventura Iconia, Level 3, Holding 37, Road 11, Block H, Banani, Dhaka, Bangladesh
Level 4, 34, Awal Centre, Kemal Ataturk Ave, Dhaka 1213, Dhaka, Bangladesh
E-mail: info@nodesdigitalbd.com , Web: <https://nodesdigitalbd.com/>

COMPANY PROFILE OF NODES DIGITAL LIMITED

1. BACKGROUND

Nodes Digital™

Nodes Digital Limited ([NDL](#)) is a technology and research management firm.

NDL is a private limited company registered in Dhaka Bangladesh. The core functions of Nodes Digital Limited are 1) Software development (Web and Mobile Applications) 2) Technology Management and Adaptation; 3) Research and Project Management. The firm focuses on the adaptation of new and innovative technology such as AI, IoT and Machine Learning in various business and social applications including agriculture, supply chain, environment, entertainment and healthcare among others. The core team at NDL has multi-disciplinary skill sets on Industrial Ecology, Software Development, Technology Integration and Intervention, Electronics and Sensor Technology, Wireless Communication, IoT, Big Data Analysis, Machine Learning, Mobile Application and Environmental Analysis. The intellectual capital of the project team at Nodes Digital is its core strength. The project team at Nodes Digital has experience in research project management. This includes working and collaborating with international research and commercial organizations such as the Institute of Manufacturing (Cambridge University, UK), IMS Laboratory, University of Bordeaux (France); BIBA (Germany), National Energy Foundation (UK), Universitat Autònoma de Barcelona (Spain), University of Greenwich (UK), USAID, Magneti Marelli Group (France) and Siegert Electronic GmbH (Germany), etc. Some of the research projects the team was involved include- CONVERGE (EU funded), Etoile, (EU (funded), Unite (UK), Ecotech Sudoe project (EU FP7), Pluviosost (funded by Ministry of Economy and Competitive of Spain), Geo-Coat (EU Horizon 2020). In addition, members of the project team managed various commercial software development projects in insurance, crowdfunding, e-commerce, digital advertising in different product platforms like web, desktop, mobile for enterprises based in Japan, Europe and the USA.



2. Corporate Information

Name of the Company	NODES DIGITAL LIMITED
Head Office/Mailing Address	House 37, Level 3, Road 11, Block H, Banani, Dhaka, Bangladesh
Telephones	+8801984929523 +8801867842869
E-mail	info@nodesdigitalbd.com
Web Site	https://nodesdigitalbd.com/
Type of Organization	Private Limited Company
Number and Place of Registration	Registration No. C-153944/2019

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	Registered in Dhaka, Bangladesh
Income Tax TIN No.	TIN 234616152201/Circle-311 (Company)
Year of Establishment	2019

3. Organizational Structure

The activities of NDL are managed by a Board of Directors headed by Dr. Saad Hasan, Chairman, NDL and management activities overseen by Mr. Shovan Samaddar, Managing Director, NDL. Presently there are four Directors. The Directors and professionals at NDL are highly qualified and experienced in their respective discipline, and are responsible for specific fields of activities.

Name and Qualification of the Directors and Professionals	Designation	Experience and Expertise
Dr. Saad Hasan PhD in Supply Chain Management (OU, UK) MSc in Manufacturing Supply Chain (Lancaster University, UK) BSc in Computer Engineering (NSU, Bangladesh)	Chairman	➤ 14 Years of experience in supply chain, education, research and project management ➤ Citibank NA, Lancaster University (UK), National Energy Foundation (UK), EU Projects (FP7), United International University
Shovan Samaddar BSc in Computer Engineering (NSU, Bangladesh)	Managing Director	➤ 12+ years of experience as Agile Project Manager, Product Owner and Scrum Master ➤ Senior Project Management roles at Nagad (mobile financial service), Monstar Lab Bangladesh Ltd (Japanese subsidiary), Secure Link Services Ltd (Swiss subsidiary)
Dr. Mohammad Rashedul Hoque PhD in Industrial Ecology (Universitat Autònoma de Barcelona, Spain) MSc in Engineering, Applied Environmental Measurement Techniques (Chalmers University of Technology, Sweden) BSc in Chemistry (Shahjalal University of Science and Technology,	Director Research	➤ 18 years of experience in R&D, industrial ecology, consultancy, education, project management and environmental assessment ➤ Management and research positions at Sostenipra research group (Spain), Nielsen Bangladesh, Montpellier SupAgro (France), Universitat Autònoma de Barcelona, American International University-Bangladesh

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Name and Qualification of the Directors and Professionals	Designation	Experience and Expertise
Bangladesh)		
Shafkat Reza Chowdhury MSc in International Business (Brunel University, UK) BA in Business Studies (Cardiff Metropolitan University, UK)	Director Market Development	➤ 10 years of experience in Marketing, Projects, Sales, Brand Development and Teaching in Banking, Insurance, Logistics and Higher Education Sector ➤ Management and academic positions at LIC India, Expo Group and American International University-Bangladesh
Dr. M. Tanseer Ali PhD in Electronics Engineering (UK) MSC in Communication Engineering (UK) BSc in Electronics and Telecommunication Engineering (Bangladesh)	Sr Consultant, R&D, System Design and Engineering	➤ 12 years of experience in IoT, Engineering Solutions
Towhidul Islam BS-IT (Pakistan)	Solution Architect	➤ 10 years of experience software design, cloud solutions, mobile application
Md. Imtaz Hossain MSc in Applied Environmental Measurement Techniques (Sweden) BSc in Zoology (Bangladesh)	Research Manager	➤ 15 years of research project management
Saiak Salauddin BBA in Business Administrations (Bangladesh)	Operations Manager	➤ 12 years of experience organization and management
Aqib uz Zaman BBA in Business Administrations (Bangladesh)	Sr Business Analyst	➤ 8 years of experience in business development, project management
Aminur Rashid BSc in Software Engineering	Sr. Software Engineer	➤ 6 years of experience in software development

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Name and Qualification of the Directors and Professionals	Designation	Experience and Expertise
Mithun Kumar Shil BSc in Software Engineering	Software Engineer	➤ 4 years of experience in mobile application development
Ferdous Bin Ali MSc in Professional Studies in Applied Statistics and Data Science BSc in Computer Science and Engineering	Machine Learning Engineer	➤ 6 years of experience in ML model and software development
MD Salahuddin Akanda Diploma in Graphics Design Technology	Ux Designer	➤ 6 years of experience in graphics design and user experience design
Biplob Mia BSc in Computer Science	Software Engineer	➤ 5 years of experience in software development, computer and network applications
Rajana Akter BSc in Computer Science	Jr. Software Engineer	➤ 6 Months of experience in software development
Md. Ragib Hasan MBA BBA	Accountant	➤ 8 years of experience in accounts management

4. Range of Services

- Project Management
- Research Consultancy, Management and Proposal Preparation
- Technology Management and Integration
- Economic and Financial Analysis
- Environmental Impact & Social Impact Assessment
- Institutional and Organizational Strengthening
- Supply chain management
- Fiber optics Installation and Engineering
- Software Development
- Mobile Application (Android and iOS)
- IT Consultancy
- Web Development
- SEO & Analytics
- BPO Services
- Business Intelligence

5. Projects and portfolio



Feasibility Study of the IoT Based Precision Agriculture for Sustainable Crop Production in Bangladesh (TF 86 – C/21)

Bangladesh Agricultural Research Institute (BARC) is implementing the research project with Nodes Digital Limited (NDL) and Bangladesh Agricultural Research Institute (BARI) as project partners. The project is funded by Krishi Gobeshona Foundation (KGF). This research project is intended to develop and evaluate through the integration of engineering and agronomic management aspects for eggplant production at field conditions. NDL is the technology partner in the project and is responsible for IoT system integration, ML model and software development.



Shipping Survey Automation Software Application

Nodes Digital Limited is developing Survey Software Solution to automate shipping surveys. The major client is [Interport Maritime Limited](#), one of the premier firms in Bangladesh that specializes in to provide P&I and Claim Correspondent services to the P&I Clubs, Marine Underwriters and Legal Firms and Port Agency services to the Ship Owners, Ship Management Companies & Charterers End. The software solution includes- end-to-end automation, Mobile application for Higher management, departments, surveyors; scalability; database management, cloud computing; and analytics.



Technology and Research Management Services for Technovative Solutions (UK)

NDL has worked on multiple projects with UK based firm [Technovative Solutions \(TVS\)](#). NDL provided outsourced services such as database development and Life cycle assessment (LCA) of new technology including manufacturing and renewable energy solutions. In addition, Nodes Digital provided research consultancy and research proposal preparation for multiple European Union funding Calls such as “Horizon 2020” and “FP-7”. It should be mentioned Technovative Solutions (TVS) has a diverse expertise in measurement and monitoring system, machine learning and AI, software development and solutions including cloud computation and deployment, industrial ontology, IoT, decision support system, design optimisation, knowledge based engineering, process automation, life cycle analysis, life cycle cost analysis, sustainability and geothermal energy etc.



Automation project for Incora (Canada)

NDL worked as a service provider for an automation project for [Incora, Canada](#). The client is part of Wesco Aircraft Hardware Corporation, distributor and global provider of innovative supply chain solutions in the aerospace, industrial equipment, automotive and pharmaceutical industry. The project included automating pipeline reporting for multiple interfaces and heterogeneous software systems.

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Underground Fiber Optics Cable Installation

NDL in an ongoing project is providing management consultancy and sub-contractor services for the Bangladesh Government Program (Tender: 523680, Package No: PW2, Package Name: Installation, Testing and Commissioning of Optical Fiber Network (Chattogram Division Partial) Establishment of Broadband Connectivity in the Areas of Underprivileged Telecommunication Facilities (Connected Bangladesh).



Scholarship Portal

[Nstudy](#) developed by Nodes Digital is a scholarship portal that allows browsing scholarship information globally. The website is continuously updated and provides suggestion on how to avail scholarship. The portal is very user friendly and includes wide range of scholarship information. The service provided in Nstudy is for the betterment of the global student community.



Nodes Podcast Player

The [mobile android application](#) is available in Google Play Store. The app is developed and owned by NDL and supports searching and listening to millions of podcasts and episodes worldwide for free. The app is developed using Java programming language and has backend Content Management System (CMS). The app is very user friendly and allows users to download episode globally.



Nodes Agro Tech

[Nodes Agro Tech](#) is an cloud based Precision Agriculture Prototype System developed by NDL primarily for demonstration and dissemination purpose. The software system involves collecting sensor data from EC sensor and using a novel model (based on an algorithm customized for eggplant) to suggests water usage and fertilizer requirement.



NJMS - Journal Management System (EU)

NDL developed and marketed a [Journal Management System](#) is based on Open Journal System (OJS). The system is built to accommodate small and medium size publishers to realize open access policy without any hassle or worrying about technical details. University of Economics in Bratislava, Slovakia and Springwish Publisher, Slovakia are currently using the system. The software is a comprehensive tool for managing entire submission and editorial workflow and publishing articles and issues online. It offers the following features: 1) Flexible and configurable editorial workflow; 2) Online submission and management of all content 3) Integrated with scholarly publishing services such as Crossref, ORCID, and DOAJ.