



We are not **Headless**, We help you use
your **Head less**

Since 2018

Established by 4 **BUET**
graduates

100+

Client projects
Completed

3

Products
Developed

4+

Countries
Served

40+

Talented
Engineers

Founders of Headless



Golam Sakline Ratul
BSc in CSE, BUET
Chairman



Nazrul Islam Anik
BSc in CSE, BUET
Managing Director



Tanmoy Basak Anjan
BSc in CSE, BUET
Director & CPO



Pranta Biswas
BSc in CSE, BUET
Director & CTO

Company Background

Headless Technologies Limited is a software design and development company based in Dhaka, Bangladesh. We believe in the mantra of “Less is More”. The company provides customized software solutions including web and mobile applications, conversational AI-powered chatbots, microcontrollers and single board computer-powered electronic solutions, computer vision-based surveillance systems, and so on. This company has gained experience working in a wide range of technical domains in a short span of time since its origin. We always seek to keep ourselves updated with the ever-changing digital world. Client satisfaction has been the main driving force for the advancement of Headless Technologies Limited. Keeping client priorities ahead of everything else, we design and develop the solutions of their preference in reality.

Headless Technologies was formed back in **December 2018** by four **BUET graduates** in room no. 3202, Shahid Smrity Hall, BUET. We did our first job as a freelance team from that room. After that, we started our journey February, 2019 renting an office and acquiring a trade license. As a startup, we didn't look for seed or growth capital from investors, rather we self-funded and bootstrapped ourselves through hard work. And we, as a team, are proud to have the guts to penetrate directly into this vast market believing in our skill

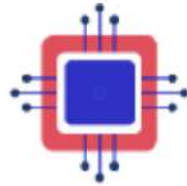
Our Clients Our Identity



Our Services



**Web & Mobile
Application Design &
Development**



**IoT & Embedded
Systems**



**Artificial Intelligence &
Machine Learning**



Computer Vision



**Natural Language
Processing & Chatbots**

Tech Stack





Product 1:

Diva: Sanitary Napkin Vending Machine

www.diva.com.bd



22 Districts
43 Upazila



1000+
Machines



850K+
Pad Dispensed



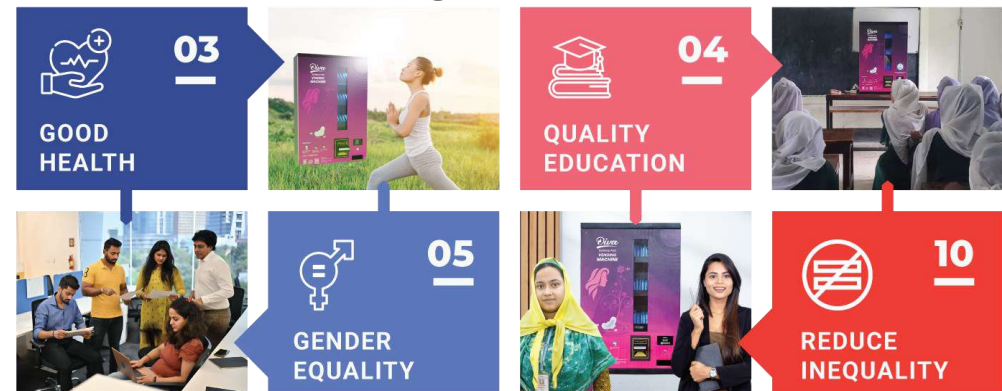
270K+
Beneficiaries

How Diva Works



Insert a 10 taka note / Pay online / scan
RFID student ID card to get a sanitary Pad

Diva So Far Fulfilling SDGs





Product 2:

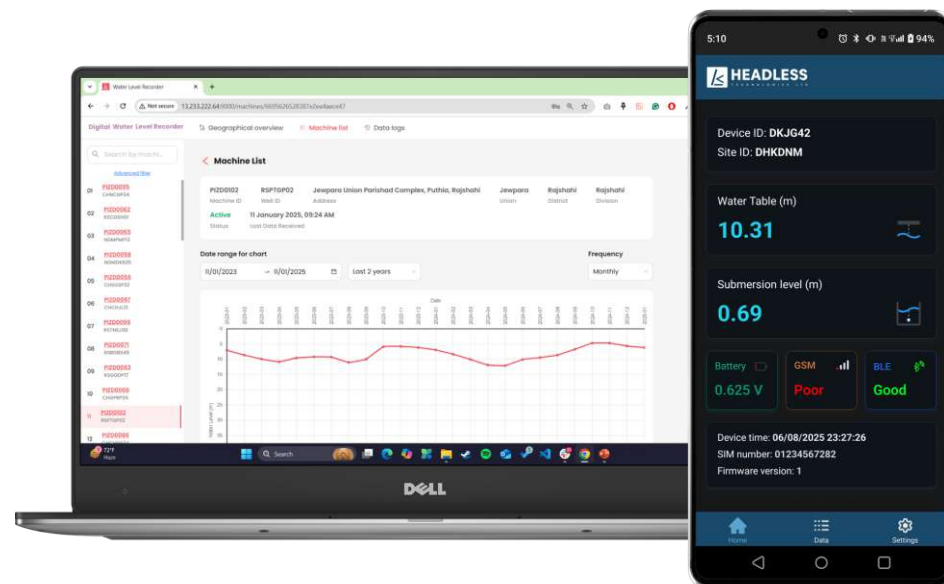
IoT based Real Time Water Quality, Level & Flow Monitoring Solution with Central Dashboard

Sensor

- Temperature
- pH
- Chloride
- DO
- BOD
- COD
- Salinity
- EC
- TDS
- TSS
- Turbidity
- Water Level
- Flow

Data Logger

- Corrosion Proof & Sensor
- Mobile SIM and 4G data connectivity
- Mobile App to configure the Device
- Mini display to show data and network strength
- Automatically sync data to the server
- Solar powered with Seven days battery backup
- Connection to central Dashboard

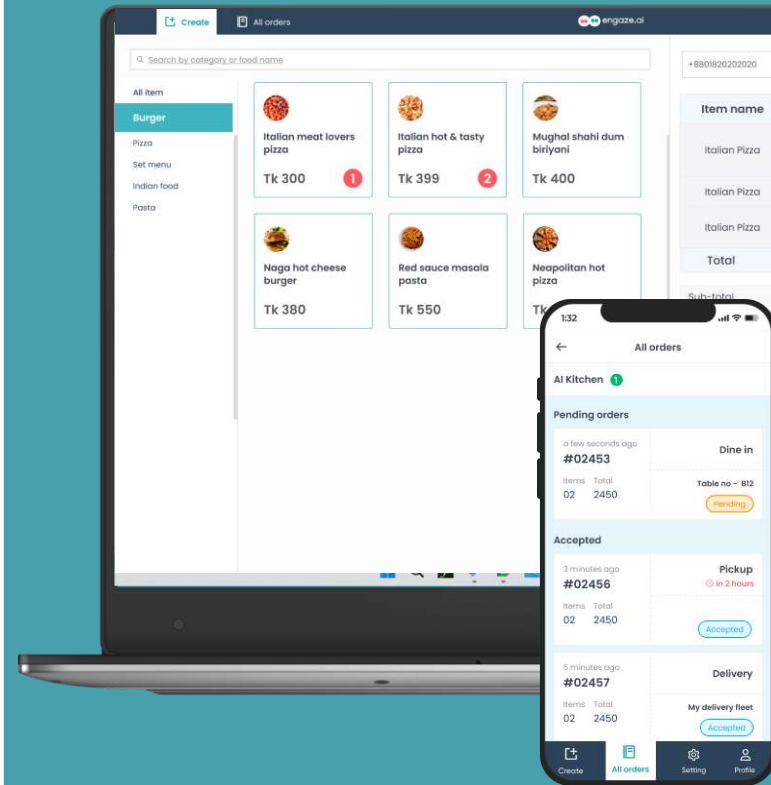
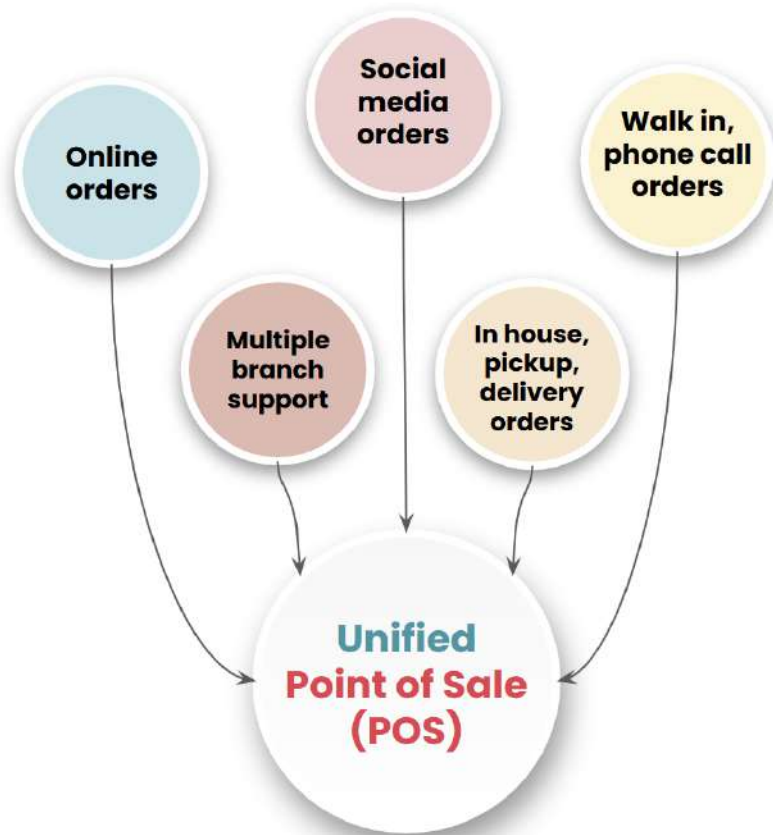




Product 3

AI Powered Restaurant Management Software
/POS/ Billing Software

www.engaze.ai



3,500+ businesses

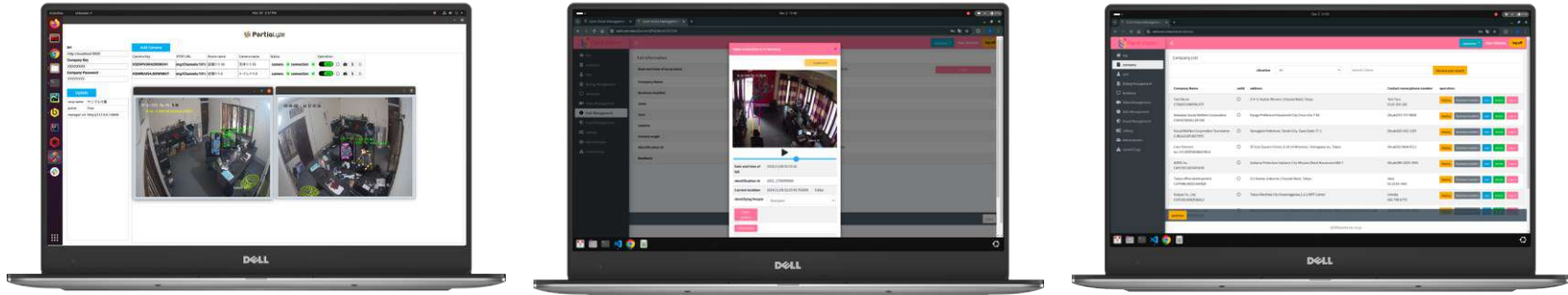


Our partners



Project 1:

AI-Powered Video Surveillance and Notification System for old age homes in Japan



Project Overview

This system is designed to improve safety in old age homes in Japan by detecting falls, abnormal behavior, and accidents among elderly residents. Many elderly individuals in these facilities live alone with limited supervision, increasing the risk of unnoticed accidents. The system analyzes CCTV footage in real-time and sends notifications to the proper authorities when an incident occurs, enabling faster response times. By automating monitoring, it allows caregivers to focus on personal care.

Client & Value

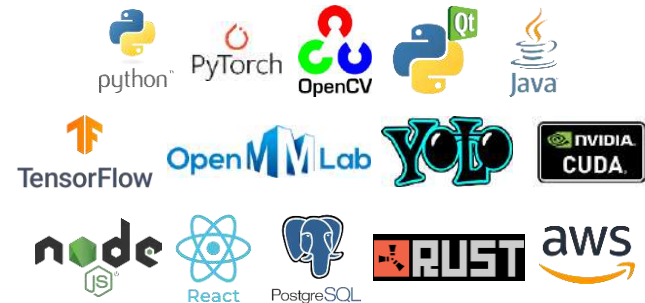


Duration
5 Years

Impact

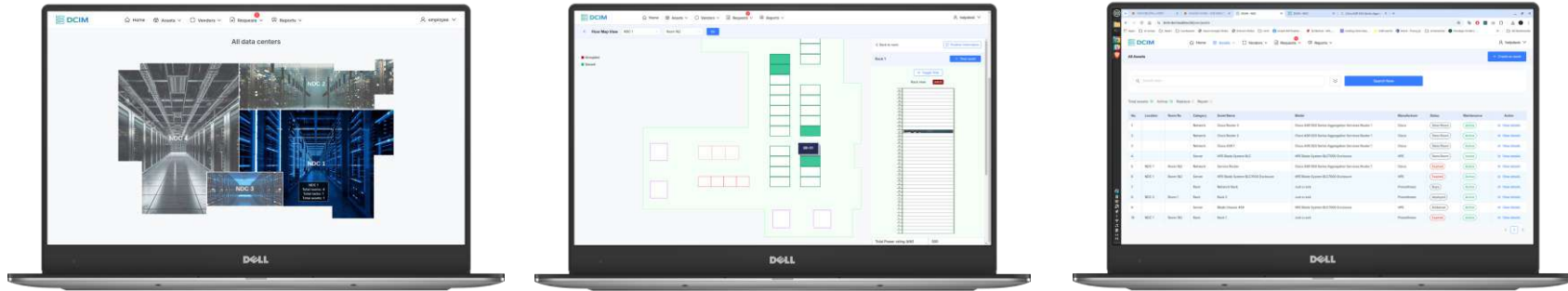
Old age Home	Camera Serving	Lives Saved
12 in Japan	1000+	27

Technology Used



Project 2:

Data Center Infrastructure Management (DCIM) System for National Data Center at BCC



Project Overview

Throughout this, we built specific software solutions designed for BCC (Bangladesh Computer Council) to provide a comprehensive view and management of the physical infrastructure components within a data center. These components include servers, storage, networking equipment, power distribution units (PDUs), and cooling systems. DCIM software aims to optimize the performance, efficiency, and reliability of data center operations. Some Feature of this system is given below:

- Asset Management and Capacity Planning
- Lifespan, vendor, purchase, cost info of all assets
- Realtime monitoring with alerts
- Data visualization and Reporting
- Incident, Event, Fault detection and management
- Integration with other systems
- Security and Internal Compliances

Client & Value



Duration
6 Months

Impact

Man Hour Saved Asset Managed
4Hr/day **1000+**

Technology Used



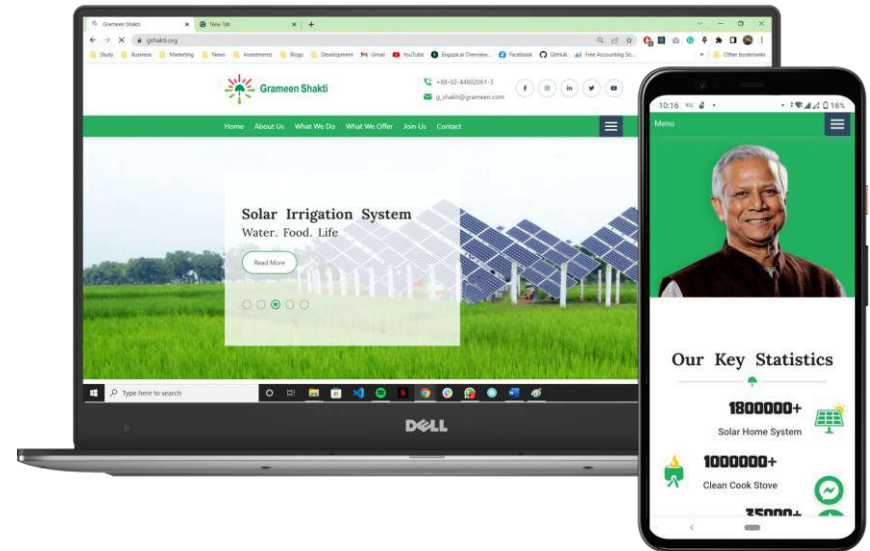
Project 3:

Grameen Shakti Official Website

Grameen Shakti is one of the leading social enterprises in the world, founded by Nobel laureate Professor Muhammad Yunus, with an aim of improving "Access to Energy" for the rural people of Bangladesh. We provide Sustainable Renewable Energy solutions with the objective of socio-economic development, empowering women, creating green jobs, alleviating poverty, reducing GHG emissions and building up a healthy community. We designed and developed the website of this noble organization with features given below:

1. Unique Responsive website
2. Can be completely controlled from dashboard
3. News, media, and social media updates can easily maintained
4. Job offerings and application taking module etc

Website: <https://www.gshakti.org/>



Impact

Monthly Visit
50K+

Client & Value



Duration
8 Months

Technology Used



mongoDB®

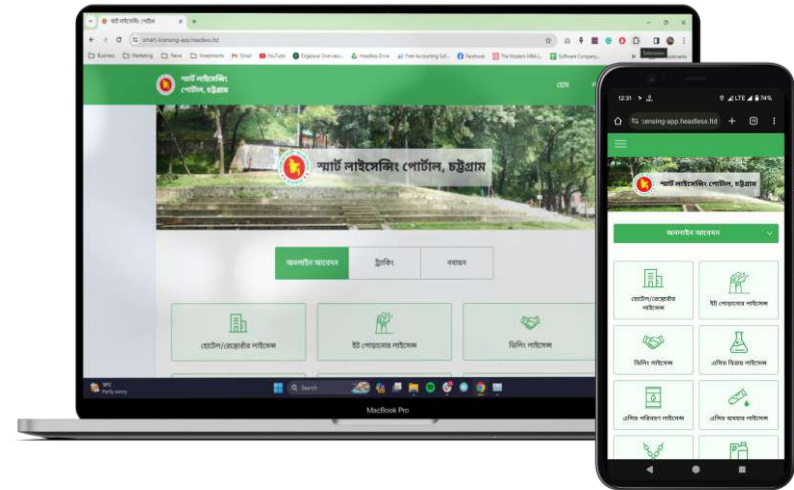
Project 4:

Development of Smart Licensing Web-based Online App for Chattogram DC Office

In the era of digital transformation, the Chattogram District Commissioner's Office is spearheading an innovative initiative with the development of a Smart Licensing Web-based Online App. This forward-thinking application is designed to streamline and modernize the licensing processes, fostering efficiency, transparency, and accessibility for both citizens and government officials. We are developing this web-based software solution. We have integrated the **Ekpay (a2i)** payment gateway to facilitate the payment of VAT and Income Tax, in a **single-user transaction**. A user can perform the following types of **licenses**, **registrations**, and **renewals** in different sectors:

- Hotel/Restaurant License
- Brick-burn License
- Dealing License
- Acid Use License
- Acid Transport License
- Acid Sales License
- Formalin Sales and Distribution License
- Formalin Use License
- Formalin Transport License

Link: <http://13.126.157.12:8111/>



Impact

Manhour Saved

100Hr/Month

License Created

500+

Client & Value



Duration

4 Months

Technology Used



mongoDB®

Project 5:

Supply and installation of sensor-based equipment with protective housing for automated monitoring of 50 wells with telemetry, in Rajshahi, Nagaon, and Chapainawabganj districts

Website: <https://gwl.warpo.gov.bd/>

Project Overview

Under this project we have developed IoT devices to measure ground water level and send water level data to the central server through mobile sim internet connectivity. We have also developed a central Dashboard to monitor the water levels of 50 places from Rajshahi Division remotely.

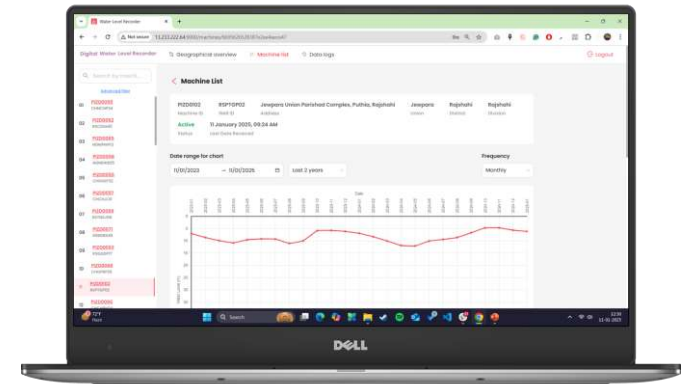
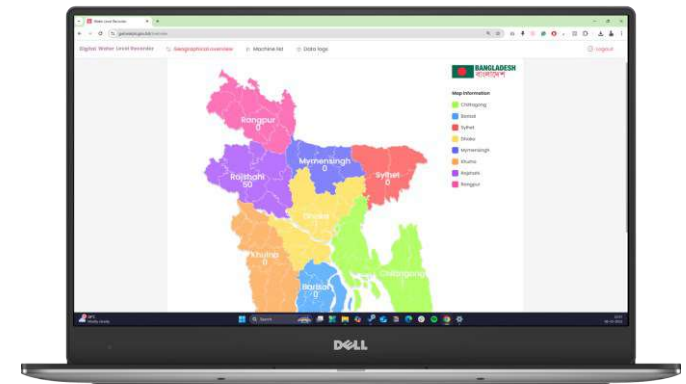
Technology Used



Client & Value



Duration
1 Month



Project 6:

AI-Powered Water Quality Index Dashboard for the four nearby rivers of Dhaka City

Through this project, an intelligent system was established, enabling the administrators of WARPO to input 18 critical water quality parameters (including BOD, COD, DO, and E. coli, among others) at different time intervals. The integrated AI-powered calculator, specifically developed under this project, processes the parameters to automatically generate a comprehensive Water Quality Index (WQI).

The calculated index values are seamlessly integrated into the project's geospatial dashboard, ensuring effective visualization and monitoring of river water quality for decision-making and sustainable water resource management.

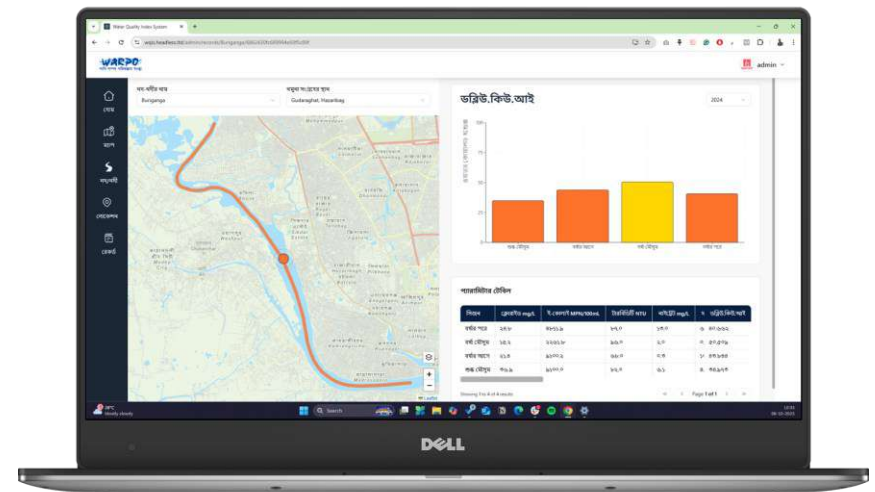
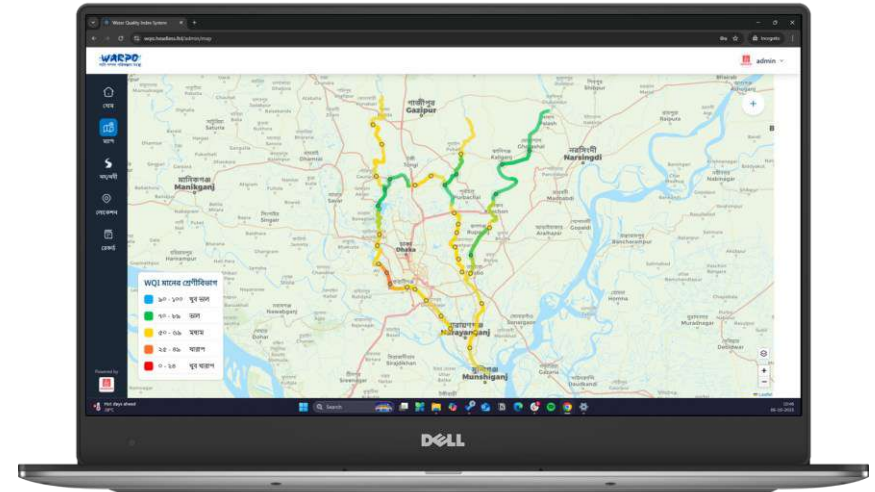
Website: <https://wqis.headless.ltd/>

Client & Value



Duration
3 Month

Technology Used

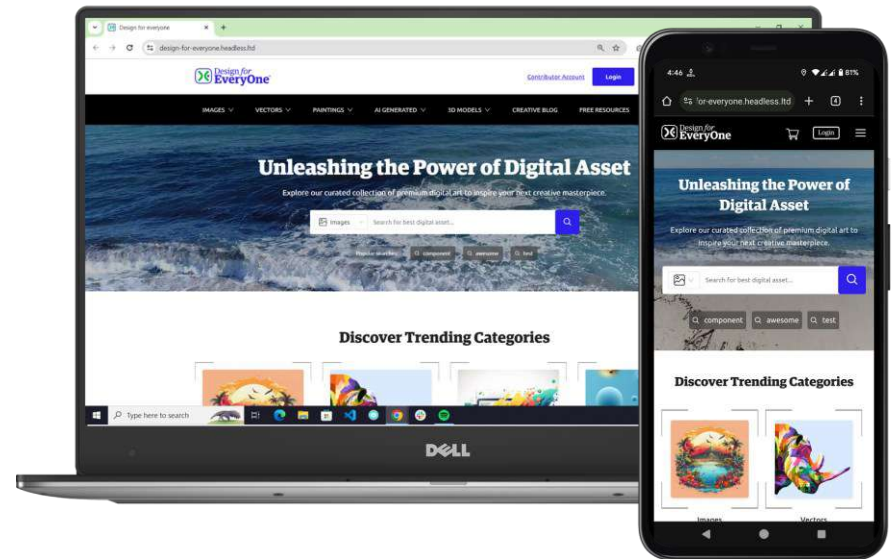


Project 7:

Development of a web-based application and Mobile “Design for Everyone”

Grameen Shakti is one of the leading social enterprises in the world, founded by Nobel laureate Professor Muhammad Yunus, with an aim of improving “Access to Energy” for the rural people of Bangladesh. We provide Sustainable Renewable Energy solutions with the objective of socio-economic development, empowering women, creating green jobs, alleviating poverty, reducing GHG emissions and building up a healthy community. We designed and developed the website of this noble organization with features given below:

1. Unique Responsive website
2. Can be completely controlled from dashboard
3. News, media, and social media updates can easily maintained
4. Job offerings and application taking module etc



Client & Value



Duration
6 Months

Technology Used



mongoDB®

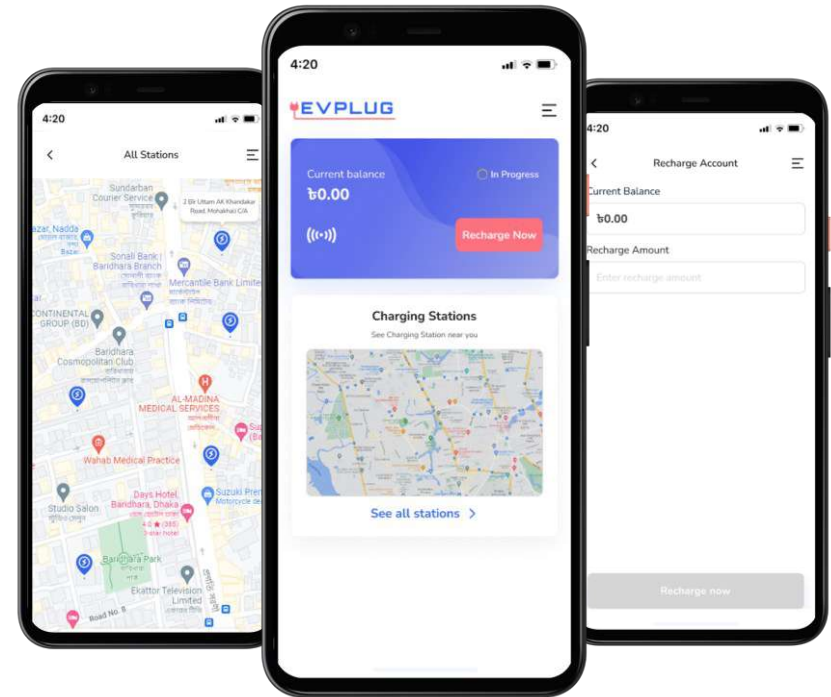


Project 8:

EV Charging Station Client Mobile App

Halkon Tech LTD is a prominent Electric Vehicle and Battery manufacturing company in Bangladesh. Now they want to establish an Electric Charging station for any kind of electric vehicle. That's why they need a consumer App for a proper billing method and we will be developing the mobile app. Which features are given below:

1. Customer Profile management
2. Buy Credits with online payment methods
3. Use credit to charge EV on an hourly basis
4. Payment and credit history
5. Finding EV charging stations on google Maps
6. Proper notification on Stations
7. Fine security & protect fraudulent activity



Client & Value



Duration
6 Months

Technology Used



mongoDB®



OEM:

Manufacturer of Visual Acuity Tester Devices

To check eyesight primarily of an eye patient this device is an excellent tool for eye specialists. It's a low-cost, lightweight device with a marvelous display. We develop this device for Lasso Enterprise, a reputed medical equipment supplier in Bangladesh.

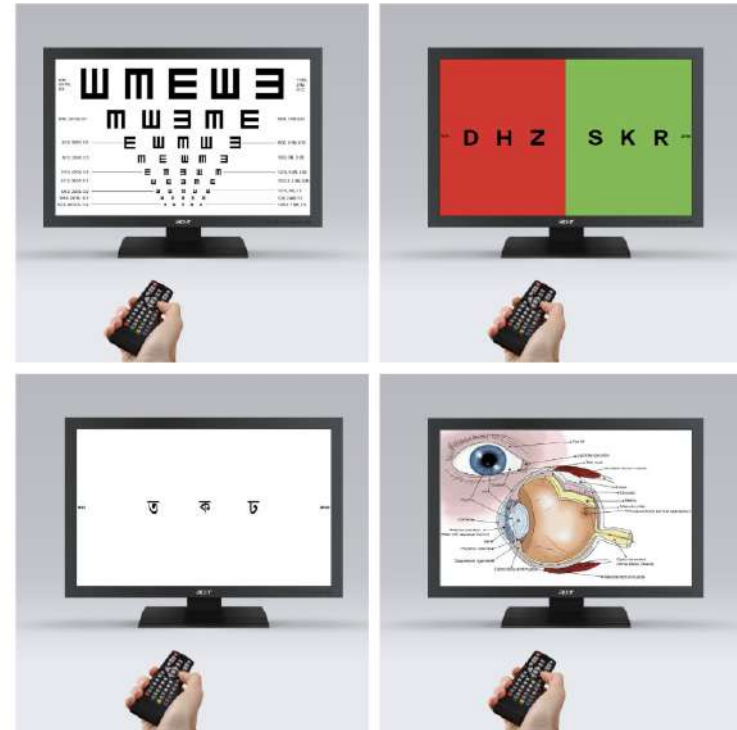
Client & Value



Duration
3 Years+

Impact

Devices Installed Doctors Engaged
1200+ **1500+**



Technology Used





HEADLESS
T E C H N O L O G I E S L T D

Headless Technologies Limited

68/8-B, Jigatola, Dhaka-1209

+8801711068569; info@headless.ltd

www.headless.ltd