**Software Requirements**

**Specification**



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A project report of the requirements for Aznet Global Ltd website in Computer Software Engineering Department

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# **1.0. Introduction**

This document is a Software Requirement Specification (SRS) for the Aznet Global Ltd Web Application. This is the initial draft for the SRS and it will be used for the extensions.

In the age of the world wide web, Our service includes a comprehensive consult to help identify gaps and opportunities, a comprehensive report that includes a project plan with timelines and milestones, a cost analysis, and a schedule. We also offer a suite of quality products that will help you get there quickly and smoothly.

we use our experience to help others. Our ramp up process is designed to empower your technical team and outfit them with the tools they need to succeed.

## 1.1. Purpose

Aznet global ltd web service where users can identify gaps and opportunities, a comprehensive report that includes a project plan with timelines and milestones, a cost analysis, and a schedule.

The aim of this document is to specify complete promote information technology through best service delivery.

## 1.2. Project Scope

This project website is divided into six main sections:

#### Enterprise Network and Server Deployment

* Installation and Management of small and large network
* Procurement, Management and Installation of Hardware and Software
* Installation and Management of small and large network
* Installation and Management of small and large network

#### Hardware Prototyping Solutions

* Home Automation
* Smart Farm Solutions
* Intelligent Traffic Solutions
* Smart School
* Connected Industry
* Micro-controller Robotic Programming

#### Public and Private Schools Solutions

* School Management Portal
* Web Design and Hosting
* Smart School Solutions
* Summer Camp ICT Training(Game Design and IT Innovation Thinking)

#### Home and Industrial Security Solutions

* CCTV Installation
* Biometric Installation
* Automatic Gate Controller
* Fire, Burglar and Intruder Alarm
* Computer Information Protection
* Beam Sensor, Motion Detector and Mobile Tracker

#### Career Development

* Be Your Own Boss
* Build Yourself Awareness
* Critical thinking

#### IT Certification Training and Consultancy services

* CompTIA A+
* CCNA R $ S,CCNA Security, & CCNP
* CCNA Cyber Ops
* Programming(C++, C, Python & Java)
* IoT Fundamentals and IoT Security
* Technoprenuership
* System analysis using simulation modelling tools (Spreadsheet, MATLAB, ARENA, CPN tool, Anylogic etc.)

## 1.3. References

Welcome to Aznet Global ltd

<http://aznetglobal.com/>

## 1.4. Overview of Document

Our service includes a comprehensive consult to help identify gaps and opportunities, a comprehensive report that includes a project plan with timelines and milestones, a cost analysis, and a schedule. We also offer a suite of quality products that will help you get there quickly and smoothly... Business mentors are key-that's why when it comes to client selection, we're choosy. We want to give each of you the time and guidance they deserve. We didn't get there alone. And neither will you. Call us today... …to become the preeminent IT company that inspires people and add values to people's lives through innovative technology.

Also known as: Aznet Global Limited, Aznet Global ltd.

**2.0. Overall Description**

We are going to identify gaps and opportunities, a comprehensive report that includes a project plan with timelines and milestones, a cost analysis, and a schedule.

## 2.4. Design and Implementation Constraints​

* The application front-end shall be developed using HTML as a web application and using CSS as design system.
* The application scripts which are written in Java script shall be implementing web scraping techniques and API calls to fetch the required data for products and services from the partners websites. Because this process is quite heavy on resources, it will be hosted on a shared hosting server to reduce the operational cost and increase scripts execution speed and reliability
* The web scraping scripts shall be implementing many techniques to ensure reliability and to ensure the return of the correct data required.
* The email, address and SMS notification systems shall be implemented , this will increase reliability and scalability and reduce the overall operational cost.

operation cost substantially. In addition, using this service eliminates the usual issues with normal servers like resources limitation and increases reliability.

1. **Testing**

The goal of utilizing numerous testing methodologies in your development process is to make sure your software can successfully operate in multiple environments and across different platforms. These can typically be broken down between functional and non-functional testing. Functional testing involves testing the application against the business requirements. It incorporates all test types designed to guarantee each part of a piece of software behaves as expected by using uses cases provided by the design team or business analyst. These testing methods are usually conducted in order and include:

* Unit testing
* Integration testing
* System testing
* Acceptance testing

Non-functional testing methods incorporate all test types focused on the operational aspects of a piece of software. These include:

* Performance testing
* Security testing
* Usability testing
* Compatibility testing

The key to releasing high quality software that can be easily adopted by your end users is to build a robust [testing framework](https://smartbear.com/learn/automated-testing/test-automation-frameworks/) that implements both functional and non-functional software testing methodologies.