# Technical Proposal

Proposal issue date

**14/11/2021**

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# Company Background

Smart Business Technology develops and provides software, web applications, mobile applications and Odoo ERP Systems to many companies in different countries. Company profits have continuously increased owing to the massive market demand for the company's products.

Smart Business Technology makes sure that its employees are trained on the latest trends, tools, and technologies. As such, Smart Business Technology also makes sure that it has the latest machine and technologies in order for the products to be produced with the latest machine and technologies and at the same time cost-effective. The company also provides training sessions which are conducted by experts in order to train the employees on new skills and technical facts. In order for the employees to be dedicated to their work, the company offers their employees different incentives and other schemes.

With the company's vast array of software development, the company believes in the creation of a user-friendly software solution. The company believes that they are able to create an exceptional system which will meet the expectations of the client.

# Project Deliverable:

1. Android and IOS Mobile Application for Monitor (Parent)
2. Android and IOS Mobile Application for User (Child)
3. Child Security Web Application
4. Web Application (Dashboard) for Monitor
5. Administration Web Application

Project Features:

1. Monitoring and Controlling
2. Blocking un proper contents
3. Linking the monitors app with user app throw admin
4. Monitoring phone calls
5. Monitoring SMS
6. Monitoring social media
7. Monitoring images and videos
8. Monitoring live chat
9. Monitoring live streaming
10. Send Notification online on the app
11. Send Notification by SMS
12. Send Notification by mail
13. Report on blocked contacts
14. Reports on un proper contents
15. Send reports to Competent authorities

Android and IOS Mobile Application for Monitor (Parent):

English/Arabic bilingual

App Pages

1. Login
2. Sign Up
3. Verification
4. Monitor Calls

5. Monitor SMS
6. Monitor images and videos
7. Monitor Social Media
8. Monitor Live Chat and Streaming
9. Block un proper content
10. SMS Integration
11. Profile Page
12. Edit profile
13. Change password
14. Notifications
15. Contact Us
16. About Us
17. Social Media Link

Android and IOS Mobile Application for User (Child)

- Application that can Monitor all content received on the mobile and then send notification to its linked application on parent mobile to take the proper action
- Send notification (SMS and mail) on un proper account to Competent authorities

Child Security Web Application

- Web Application that can installed on Laptop or Desktop Computers for Monitoring all content received and send notification to its linked devide to take the proper action
- Send notification (SMS and mail) on un proper account to Competent authorities

Web Application (Dashboard) for Monitor

- General Features
    1. Contacts
    2. Text Messages
    3. Calls
    4. Photos
    5. Videos
    6. Wi-fi Networks

7. Keyword Tracking
8. Key Logger
9. Installed API's

- Social Network

    1. WhatsApp
    2. Kik
    3. Telegram
    4. Viber
    5. Tender
    6. Line
    7. Snapchat
    8. Skype
    9. Instagram
    10. Facebook

- Screen Recorder

    1. Screen Recorder

- Internet Usage

    1. Browse History
    2. Browse Bookmark
    3. Email

- Restricted

    1. Block Wi-fi
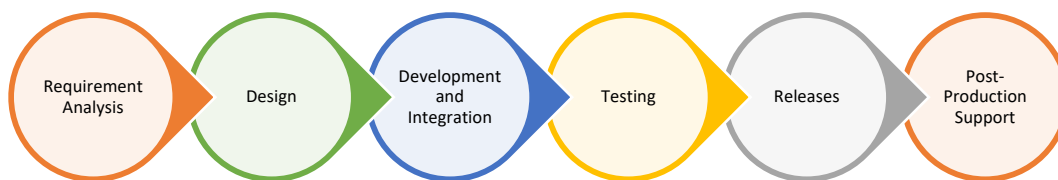    2. Block Websites
    3. Block Applications

Administration Web Application

- This is an admin application for Competent authorities that show reports on the un proper content that presented to child via applications or websites
- SMS Integration and Online Notification

# Methodology

For this software project, the company proposes to follow the standard development model for the software development project.



This project will follow the waterfall model, which includes the following phases:

- Requirement Analysis: The Company consults with the client.

- Software Design Phase: Based on the software requirements, the company will start with the design of the software.

- Development and Integration: After the design of the software is done, the company will proceed with the coding and upon completion of the development, the product is tested.

- Testing: Product testing shall be done during this stage in accordance with the test plan and test cases.

- Releases: The Company will release the software to the client.

- Post-Production Support and Maintenance - Post-production support and maintenance are provided for the software project.

## Development Tools

- Mvc. Netcore 3.1
- Vuejs
- SQL server 2019
- Bootstrap
- JavaScript
- Xamrin

## Management Tools

- Agile Methodology
- Azure DevOps

## Risk Evaluation

As of the preparation of this proposal, there are no known and identified specific risks in the use of the software.

However, the company shall prepare a risk management plan at the start of the software project.

As such, the risk management plan is done throughout the phases of the software development in order for the company to be fully aware of all the risks during each phase.

After which, all the risks are documented, analyzed, and associated with the risk management plan.

# Implementation of Quality Control

As part of the software project, the company will develop and implement a quality control process that is specifically designed for the web and mobile software application project.

Reviews

A part of the quality control process is to make the software a subject of formal reviews. This is to enable the company to see every aspect of the use of the software and to prepare and improve the source codes.

Testing

Another part of the quality control process is the testing of the product. The types of rigorous testing that are performed by the company are the following:

- Unit Testing

- Integration

- System

- Performance

# Timeline

SB Technology estimates that it will take 12 Months for development and implementation. Upon signing application agreement, we can begin immediately.

| Index | Milestones | Duration |
|-------|-----------|----------|
| 1 | Administration Web Application<br><br>Web application dashboard for Monitor | 3 months |
| 2 | Android and IOS Mobile Application for Monitor (Parent) | 3 months |
| 3 | Android and IOS Mobile application for User (Child) | 3 months |
| 4 | Child Security Web Application | 3 months |

# Team Structure

| Index | Department | Number of Resources |
|-------|-----------|---------------------|
| 1 | Management | 1 |
| 2 | Business | 2 |
| 3 | Design | 4 |
| 4 | Web Development | 8 |
| 5 | Mobile Development | 6 |

| 5 | QC | 4 |
|---|---|---|
| 6 | Implementation | 4 |

Project Management

The project manager shall have the following responsibilities:

1. Complete and deliver the software project
2. Coordinate with the company resources, track the project plan, and provide the primary point of contact with the client's team for any issues
3. Be accountable for the operations

With respect to the software design and development:

The technical team lead shall have the following responsibilities:

1. Be responsible for the technical architecture and design of the project
2. Be accountable for the technical design
3. Organize the development team
4. Coordinate the schedule with the project manager

The user interface designer shall have the following responsibilities:

1. Design and implement the interfaces
2. Design the interactive elements of the application

The quality control engineers shall have the following responsibilities:

1. Ensure that the software meets all standard requirements

   a. Perform the test plan and test cases, and participate in the reviews of the software project

# Terms and Conditions

1. Formation of the Contract

The acceptance of the client of this proposal shall be made by entering into a legally binding contract with the company. At the time of the execution of the contract, both parties shall be bound by the terms and conditions in the contract.

2. Validity Period of the Proposal

This proposal shall remain valid for 30 days from the date that this proposal is delivered to the client.

3. Confidentiality

The contents of this proposal are strictly confidential in nature and neither of the party shall divulge any information contained in this proposal without obtaining the prior written approval of the other party.

4. Client Responsibilities

During the cycle of the project, the company expects the following from the client:

1. Timely access to the client team members and roles with respect to the management plan of the project
2. Timely information and decision-making input shall be provided by the client to the company as needed during the project
3. Deliver the needed data and information
4. Participate in the reviews and testing
5. Life Cycle of the Software Development Project

The life cycle of the software development project is:

1. Determination of the objectives
2. Determination of the scope
3. Execution phases
4. Entry, task, verification, and exit criteria
5. Testing
6. Release
7. Post-production support and maintenance

The life cycle, as provided above, shall properly be designed and filled out after the signing of the contract, and shall be agreed upon by the parties.

## Company Policy

All quotations are subject to confirmation by SB Technology upon the receipt of any order by an order acknowledgement and/or a proforma invoice

Title to goods remain vested in the SB Technology and shall pass to the client only if all sums due have been paid in full.

The supplier reserves the right to adjust prices for customs/sales tax excepted offered items if these exemptions were adjusted by custom authority.

The delivery to be confirmed at the time of purchase order acknowledgement and receiving the advance payment in the company account if applicable.

This quotation is strictly confidential and cannot be shared or communicated to any third party.