

## IoT Projects



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| Founder (CEO) | SHIV CHARAN PANJETA |
| Contact No.   | +91-9569747788      |
| Skype         | jessica.toxsl       |
| Email         | work@toxsl.com      |



## Company Overview

ToXSL Technologies is an ISO 9001:2015 certified mobile and web application development company in India. Our expertise is in developing custom applications and software products. Our clients include start-ups, digital agencies, large enterprise small business.

ToXSL is a development agency focused on providing cost-effective products with full client satisfaction from mobile apps to Web Services and Website Development. ToXSL delivers applications, services mobile websites on every platform. ToXSL will put you in front of your customers on devices they access most with information and tools that make it easy for ToXSL to connect with their audience.

ToXSL's commitment to reach their audience with targeted marketing will put you far ahead of your competitors. We're here to help you with all of your Mobile Application and Web Services needs and we have thorough analytics that is measurable for making strategic Application development decisions.

**Team Size:** 120+

If you have any questions, regarding ToXSL, please send an email at [info@toxsl.com](mailto:info@toxsl.com) or direct at +91-9569747788.

## Why ToXSL

Excellent rating, review, reputation on bidding sites:

- Upwork rating (5 Stars), Recommendation rate (100%)
- PPH rating (5 Stars), Recommendation rate (100%)
- Guru rating (5 Stars), Recommendation rate (100%)

We have completed 1800+ Projects & 1100+ Customers all over the world.

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## **1 Introduction**

### **1.1 Background**

Internet of Things has brought a boon to the whole digital world and made lives more comfortable and smarter. Whatever industry you're in, Internet of Things has empowered every sector from hospitality, automobiles, to smart homes. Numerous technologies used by major industries are easily compatible with the IoT framework. IoT has gained a good name in the market as all major businesses are adopting IoT, namely- IT sector, finance sector, healthcare, retail market, manufacturing, artificial intelligence, and a lot more.

Our portfolio: <https://toxsl.com/portfolio>

### **1.2 Project Objective**

Engaging IoT solutions: Our main objective is to deliver tailored-to-suit IoT services that assist the businesses to represent their brand name in a better way.

Easy to use services: We ensure that all our IoT products and services are made user-friendly so that the user can enjoy the hassle-free services.

## **2 Scope & Objectives**

### **2.1 Scope**

Internet of Things has proved to be an emerging digital innovation which will have a big impact in the future. To cater the advanced customer demands, we follow a clear strategic approach which includes some major steps: streamlining your data, real-time approach, tracking, and ensuring profitable opportunities.

### **2.2 Project Description**

All our IoT based projects are build to support smart initiatives and transform business operations. ToXSL Technologies provides a wide range of high quality and end to end solutions which can cater your client requirements perfectly. Customers can rely on our reliable and secure IoT products that deliver the expected results.

### **2.3 Primary Focus**

Our primary focus is to deliver IoT products which comprise of:

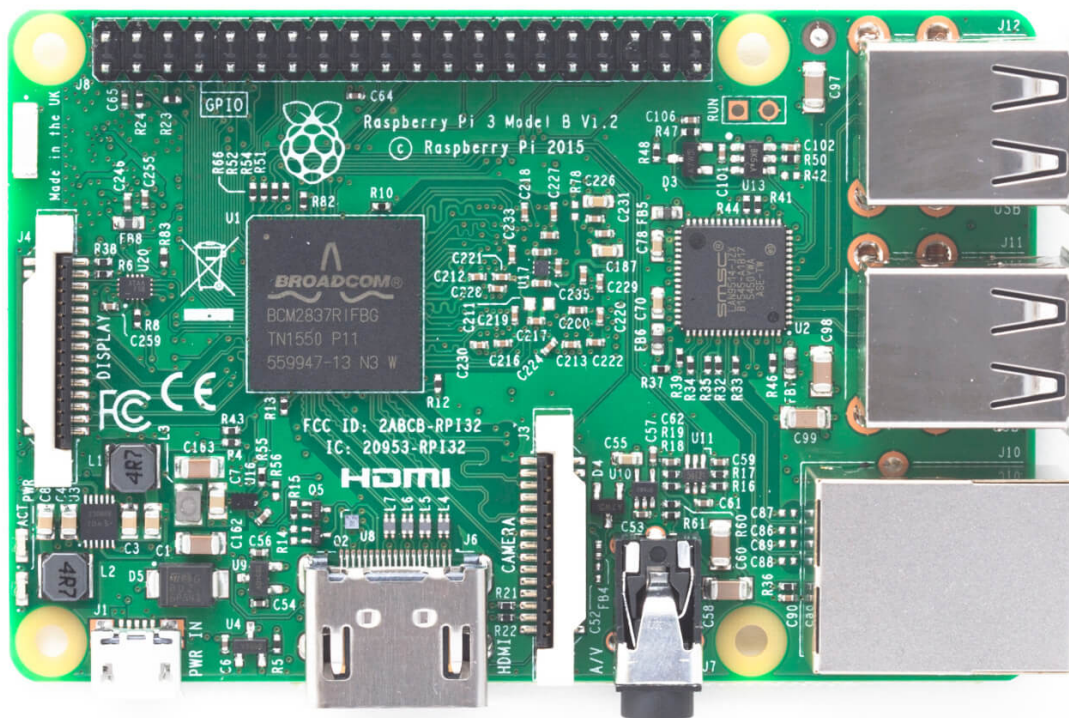
- Dynamic nature

- Ambient intelligence
- User-friendly
- Tailored to suit IoT solutions
- Sensing technologies
- IoT module development
- IoT Architecture development

### 3 Projects done on IoT

#### 3.1 Attendance Access Control System using Raspberry Pi

Attendance access control system helps in taking attendance in offices, for making troublesome process of taking and compiling of attendance simple and efficient. It is an affordable, user friendly, portable, energy efficient and secure automated system provides an amalgamated solution for replacing existing conventional attendance system with embedded attendance system. Raspberry Pi's Cortex-A5 CPU that runs at an improved 800MHz, RAM of 1GB with 100BaseT Ethernet, HDMI, and MicroSD card facility helps us to choose this credit-card sized computer to track the record of our employee's presence in the office. This attendance control system is very low cost, small size, efficient with low energy consumption and helps us to maintain discipline among employees in an organization.



### 3.2 U1 Rom

U1 Rom is one of our Android Open Source Project (AOSP) custom ROM product. Our skilled developers use custom ROMs to overclock the device to make it run faster and underclock it to make it run slower and to disable the volume warning that Android constantly shows when system volume is increased and headphones plugged in. Some of the common changes and upgrades made in this product include- Launcher, widgets, pin/pattern lock, camera, swipe features, desk clock, incoming/outgoing call screen, music player, radio, sound recorder, calculator.



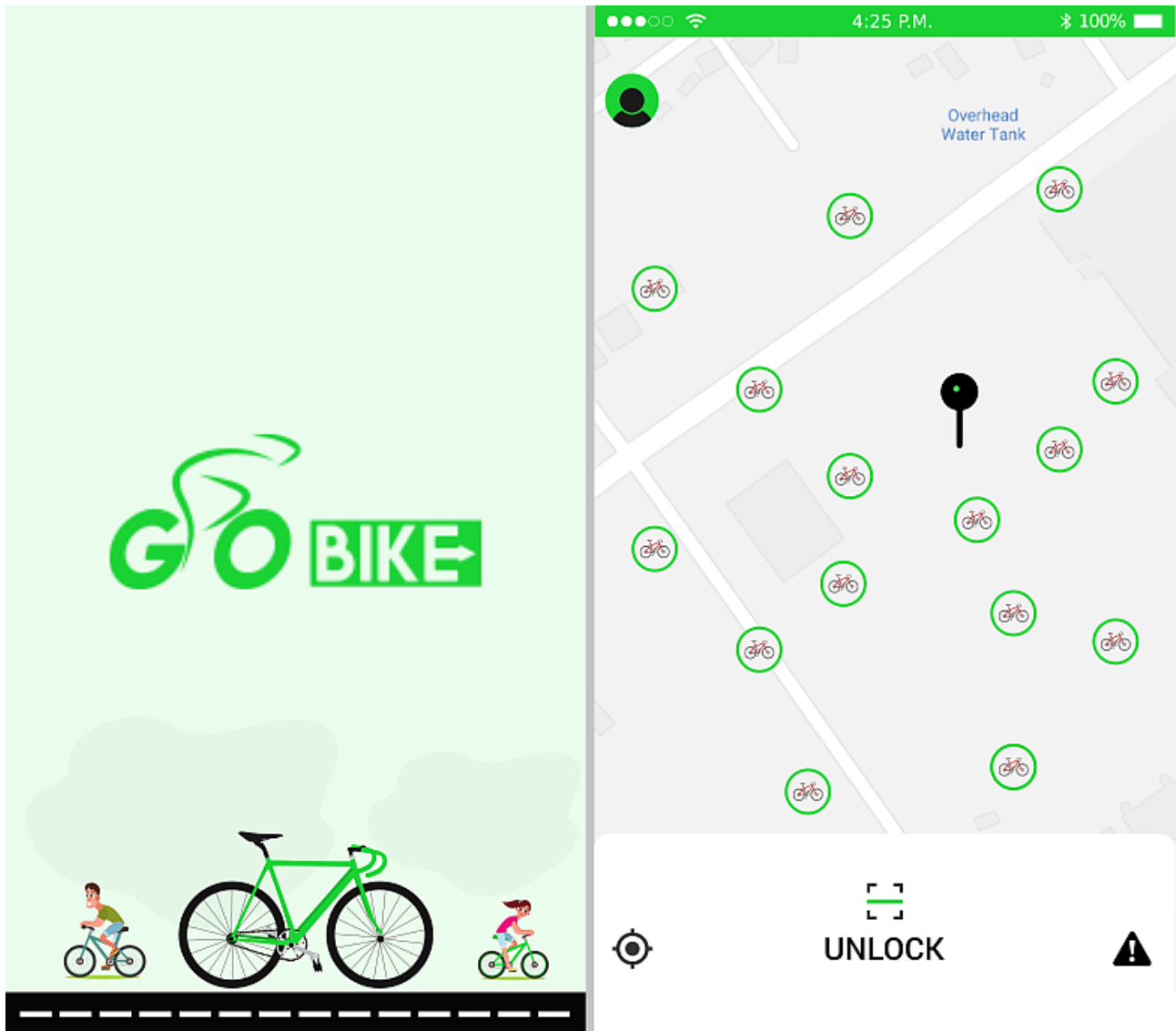
### 3.3 Geek Box

Geek box is both an Android TV box based on Rockchip RK3368 octa-core processor, and a Linux development kit. Its key features include- launcher, connect to Wi-Fi, change wallpaper or theme, bluetooth connectivity, language support inc. keywords, block Features, contact synchronization, incoming/outgoing call screen.



### 3.4 Go Bike

GoBike is an affordable and smart bicycle sharing service app for making journeys easy and convenient for people. It offers services in the safest and environment-friendly manner for making daily trips easier. You can track and monitor the bicycle at any time and keep yourself updated while maintaining customer's safety. Its key features include- finding a nearby bike anywhere, at anytime, unlocking bike by scanning the QR code, making secure & quick payments.



### 3.5 Smart home video doorbell

ERA DoorCam is a WIFI compatible smart home video doorbell which is programmable from the user's smartphone. It offers a two way visual conversation, in real time, with the capability of either snapshotting or video recording caller. The device has both PIR and Video Motion Detection, which can focus on specific areas due to 'out motion region feature'.



### 3.6 Automate your Home

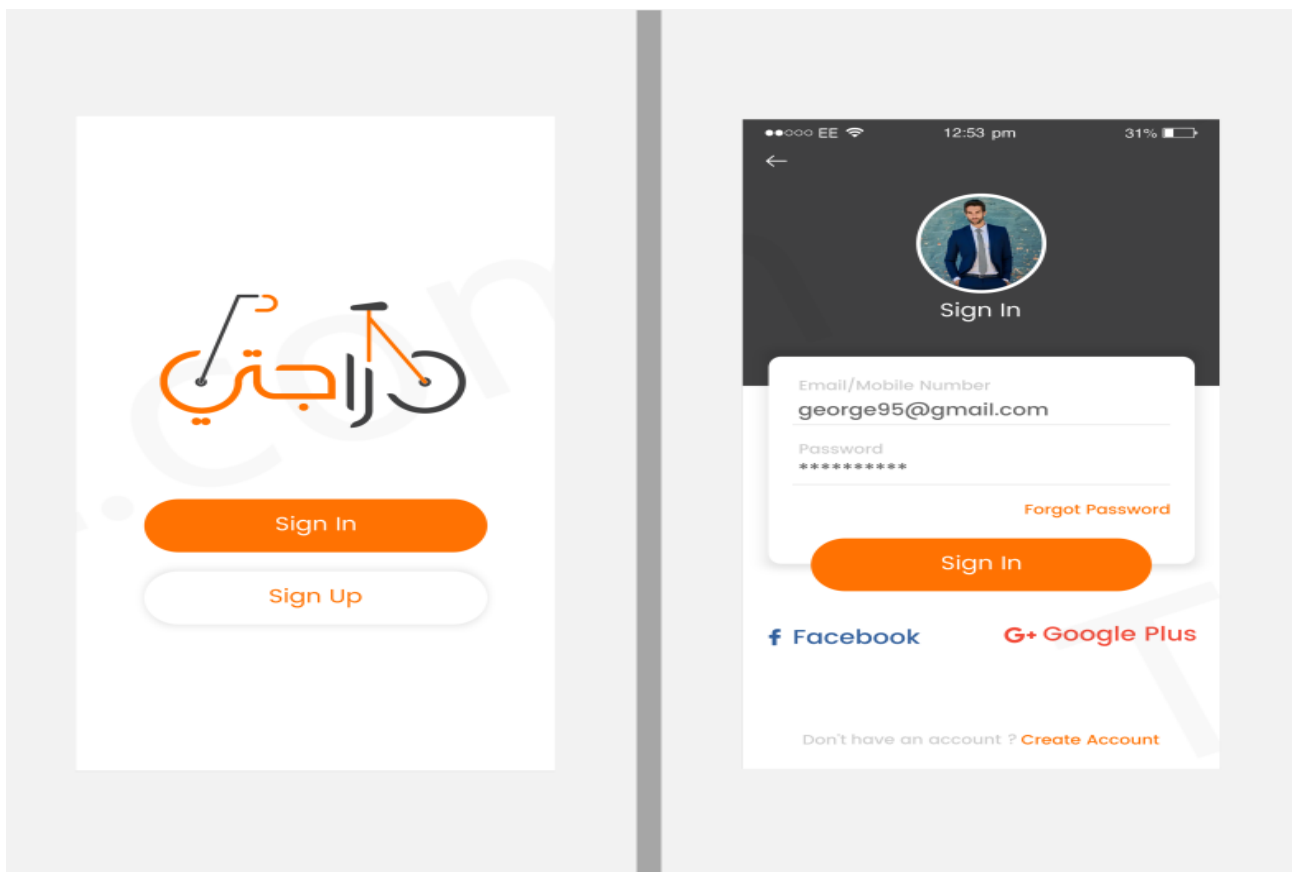
This app enables you to easily and intuitively control your home's lighting, music, thermostat, fans, garage doors, and more. It is built to work natively with voice control, whether you're at home or on the road. You can also create unique scenes, grant access to your family and friends, monitor your home when away.

### 3.7 Smart Home

Smart Home app allows people to stay informed about the status of the smart devices. Using this app, people can connect their Smart Device to WiFi and activate the smart devices features, including receiving smartphone alerts while away and being notified about low-battery status.

### 3.8 MyBike

MyBike is a bicycle booking application which allows users to find a bicycle and book it over the mobile application. Using this app, users can safely lock the bicycle and enjoy various other features.





## 4 Conclusion

The above is a quick glance about our advanced IoT products, we have a lot of other services to surprise you. Our team is flexible enough & will work with you on the project until you are happy.

Thank you very much for the opportunity! We hope to work together with you in order to build your business!