

WWW.INNOVATIOSTECH.COM

FIRMWARE | ELECTRONICS | MANUFACTURING



INNOVATIOS TECHNOLOGY

ENGINEERING THE FUTURE





ABOUT COMPANY

INNOVATIOS TECHNOLOGY- ENGINEERING THE FUTURE

"We introduce ourselves as an electronics design and manufacturing company with a wide range of products dealing in cutting-edge technology"

Our Company Mission

Our mission is to automate the manual work progress with cutting-edge technology that has potential of making everyone lives better.

Our Company Vision

We are building next generation automation solutions and products capable of solving day-to-day problems of humanity.



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TECHNOLOGY
ENGINEERING THE FUTURE

OUR EXPERTISE

Manufacturing
PCB Fab & PCBA
Rapid Prototype
CNC & Sheet Metal
3D Printing
SLA & FDM
Production

**Embedded
Systems**
PCB Design
Firmware-Qt, C, C++
BLE, WiFi
LoRaWAN
GPS, 4G, 5G

**Product
Enclosure
Design**
Kiosk & SPM
Toys, Devices
Wearables
Gadgets

Automation
Motion Platform
PLC Scada
Machine
Vision



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OUR BUSINESS

INNOVATIOS TECHNOLOGY- ENGINEERING THE FUTURE

- ✓ GUI and HMI Design: Figma, Qt, Custom Display, Touch Panel
- ✓ Firmware and Software Development: Embedded,Qt,C,C++,Python
- ✓ Hardware Development: Schematics & PCB Design
- ✓ Product & Enclosure Design
- ✓ 3D Printing & Rapid Prototyping
- ✓ Custom WebApp Development
- ✓ Flutter: Android & iOS Development

1-STOP SHOP

INNOVATIOS TECHNOLOGY- ENGINEERING THE FUTURE



IDEATION

We take your ideas & process it



DESIGNING

We do a formation to your idea



DEVELOPMENT & VALIDATION

We build a working model of your idea



PROTOTYPING & MANUFACTURING

We facilitate production after prototyping

TECHNICAL SKILL SETS

INNOVATIOS TECHNOLOGY- ENGINEERING THE FUTURE



Qt/QML- GUI/HMI
Design & Development
C/C++ Coding



Embedded C/C++ Coding
I2C, SPI, UART Drivers
Library & Function APIs
Firmware Development



Product & Enclosure
Designing- Consulting
3D Printing & Scanning



Factory Automation
Industrial Use-cases
Manufacturing &
Production Support



Schematics & PCB
Designing, BOM,
Hardware Outsourcing &
Procurement



PCBA Support
Validation, Testing &
Consulting Support



Image Processing
Camera Solutions
A.I, M.L, Neural
Network



Desktop Software-
C/C++, Python
Licensing &
Security Solutions



Web Application &
CRM Development
NodeJS, React,
AngularJS, APIs

HARDWARE & SOFTWARE TECHNOLOGY

<p>BLE5.x TECHNOLOGY</p> <p>IMU, Pedometer, Medical Devices, Tracking & Locate, OTA (Over-the-Air) Updates, DFU, BLE Mesh, BLE Gateway, Power Profile Management, Low Power Devices, BLE Security</p>	<p>WiFi TECHNOLOGY</p> <p>ESP8266, ESP32, CC3200, Ublox 802.11n 2.4Ghz, 5Ghz Data Loggers, Edge Devices, OTA, WiFi Security, MongooseOS, AWS, Blynk IoT Indoor & Outdoor Tracking, Locate module</p>	<p>LoRa Technology</p> <p>RFM95, STM32WL, 868, 915, 433 MHz</p> <p>LoRa Node, Gateway, Things Network, Low Power LoRa Nodes, Security & Sensor Analytics Communication Nodes</p>	<p>PCB & Schematics</p> <p>Layout Design Design for Manufacturability (DFM) Gerber File Generation Prototype Fabrication Component Sourcing Regulatory Compliance PCB assembly & testing Turnkey Solutions</p>	<p>Embedded SDK/IDE</p> <p>Keil, CubeMX, Eclipse, IAR Workbench, Atmel Studio, MATLAB, Segger Embedded Studio</p> <p>ARM Tool-chain, Software Architecture, Documentation</p>	<p>MCU & Processors</p> <p>STM32, NRF51/52, TI MSP, PIC Microchip, NXP LPC, Raspberry Pi, Nvidia Jetson, RISC-V-SBC, Arduino, ESP, MAX326xx series, Renesas, NXP/Freescale, ARM Cortex-M0, M1, M3, M4, M7-based microcontrollers from multiple vendors</p>
<p>Software- GUI/HMI</p> <p>Qt/QML, PyQt, Tk, PySide, Pyinstaller, DLL, C, C++, Python Programming</p>	<p>Camera OpenCV</p> <p>Opencv, ONVIF, CMOS CAM, Live Cam, CCTV Video Monitoring, Facerec, Emotion Recognition</p>	<p>Robotics & Motion Platforms</p> <p>Haptic Feedback, Gaming Controllers Robotic Mechanism, VR Motion Platforms-2/3/6 DOF, Robotic ARM</p>	<p>Network & Communication</p> <p>I2C, SPI, UART, CAN, MODBUS, USB, MQTT, HTTP, FTP, Zigbee</p>	<p>WebApp & CRM-APIs</p> <p>REST apis, git, PHP, Laravel, NodeJS, SpringBoot, React, Flutter</p> <p>Cloud Server & Support, GCP, AWS, Azure Portals</p>	<p>A.I M.L D.L Neural Network</p> <p>SciKit, Sklearn, dlib, data analysis, EEG & EMG Solutions</p>

OUR FEATURED PRODUCTS



INOS BOT

Semi-autonomous mobile robot engineered for dynamically operating in challenging environments.

<https://youtu.be/mdjM-TfkFA>



COVID 19 LOGGER DEVICE

“A large number of tests can be done in minimal time”

<https://youtu.be/DsJBoN4LUMg>



EMG KIT- 7DOF ROBOTIC ARM

Electromyography (EMG) measures muscle response or electrical activity in response to a nerve's stimulation of the muscle.

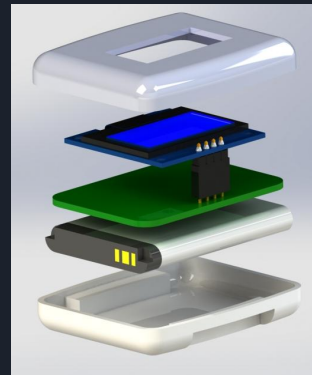
https://youtu.be/uN4q1ok_Dvs



CROPY- AGRITECH

CROPY is the best solution for the diagnosis of crop infection in the early stages

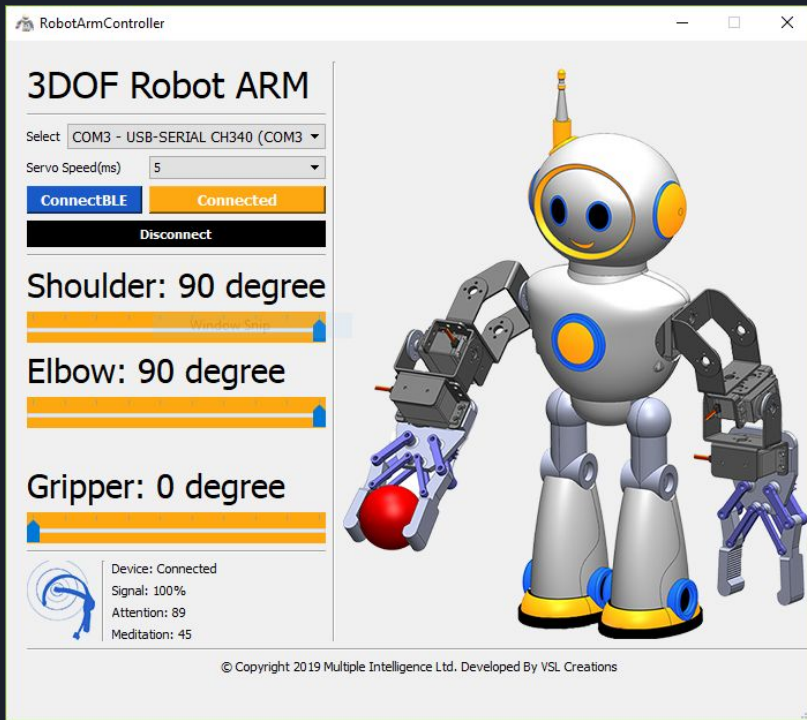
<https://cropy.co/>



LOG DEVICE- WIFI + BLE

Wearable Technology Solutions #wifi #ble #rfid tracking devices

https://youtu.be/YLq4Qol_tjc



Robot Control Software

Custom designed & manufactured.



BYTE- Bite Force Device Device

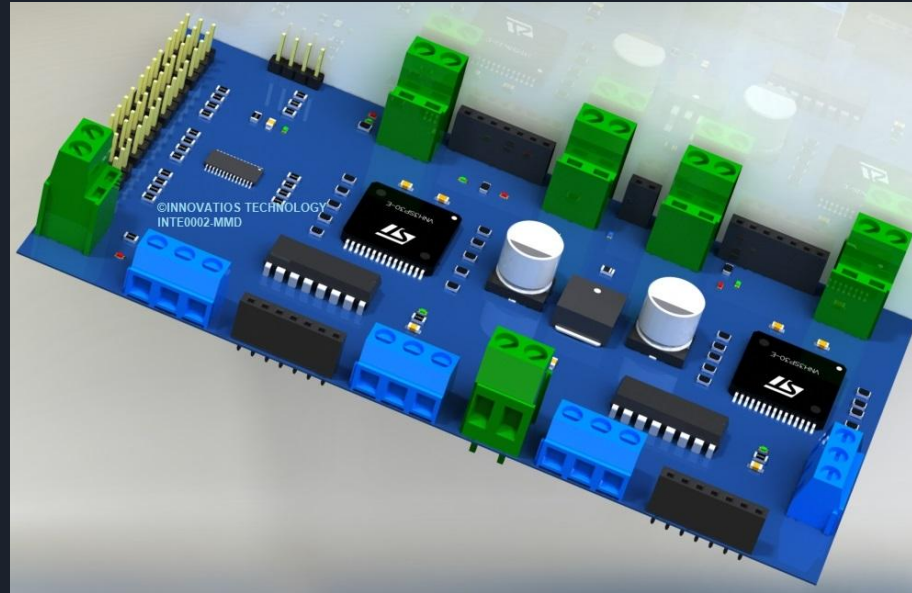
Force Sensor , BLE, Rechargeable Battery, USB Charger,
Device Firmware.



WiFi + BLE + LoRa Module

Custom designed pcb & manufactured:

<https://drive.google.com/open?id=1BrBUE1aULHfuiKCKMe-9Cg9jeExXMU>



MMD- Master Motor Driver

Embedded & Power Electronics: 4DC Motors upto 24V,30Amps | 16Servo Motors upto 6V 10Amps | 2Stepper Motors

Custom Designed Kiosks

Thermal Camera

HD Camera

Speakers
Microphone

5feet
Kiosk

23inch
Monitor

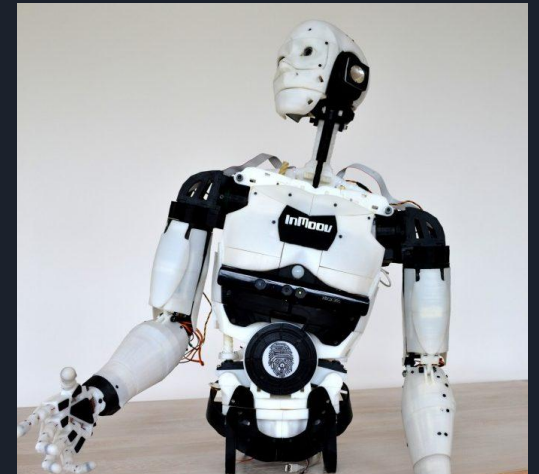
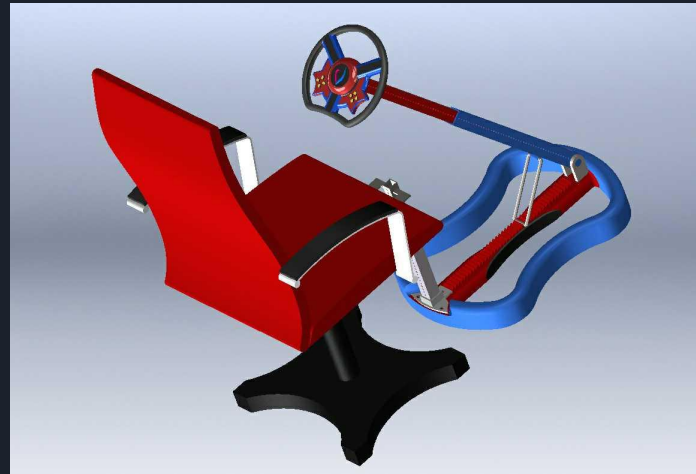
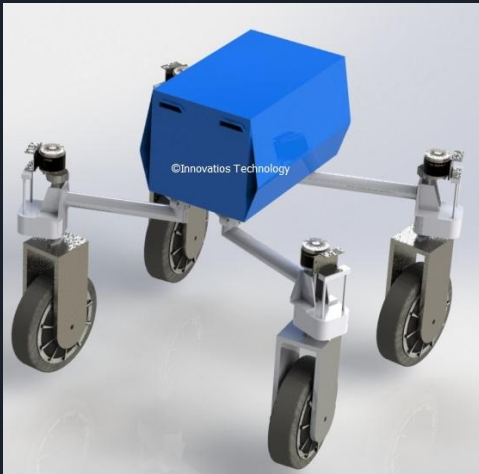
VSL Creations



- 8th Generation, 3GHz processor, 4Cores, 8GB RAM, 240GB SSD, 802.11 WiFi, Ethernet, Bluetooth 5.0, 23" Multi-Touch, 1920 x 1080 at 60 Hz display in front
- Eyes will have BLUE + RED LED to show emotion & reactions with games
- Ultrasonic Sensor on TOP to auto-detect if a human comes in front & start Kiosk Software
- Speaker & Microphone for future software & gaming experience
- A camera on TOP behind UltraSonic sensor for future software & gaming experience
- Wireless keyboard & mouse for debugging & testing purpose
- Glossy & finished look in FRP
- Software Updates: Interactive sounds, small chat app to talk with users



CUSTOM DESIGNED ROBOTIC PLATFORMS & SOLUTIONS



SOFTWARE- GUI/HMI SHOWCASE



Intellybot Controller Ver.2017.12

File Connection Alarm Admin About

Alarm Status: Every Morning

Buzzer Status: ON 12:00:00 AM

Relay/Switch Controls only for admin Login

Relay 1 Status: ON OFF

Relay 2 Status: ON OFF

Relay 3 Status: ON OFF

Relay 4 Status: ON OFF

Network Status: GSM Connected

WiFi Status: Connected

LCD Status: 000000

Temperature: 30 F

Humidity: 12

Wind Speed: 34knots

PIR/Motion: Detected

©VSL Creations

INTELLY BOT

Distribution System - [Preview]

DISPATCHED...

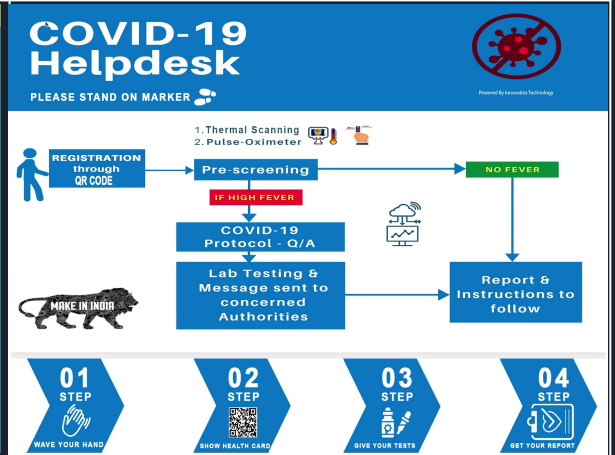
12:00:00 AM

RESET

START STEP1 STEP2 STEP3 STEP4 IDLE

ENTER ADHAR MANUALLY DISPATCH

1	2	3	Delete	
4	5	6	Enter	
7	8	9	Cancel	



COVID-19 Helpdesk

Please follow the below process

Built By team hodor

Please scan your Aadhar QR Code here

Please not touch QR Code Scanner.

Address:

Now Back portion of eAadhar Card

Aadhar Card Number:

Verify QR for Aadhar Card

VID

Connecting to APL...

Start Camera

Stop Camera

Count: 0

Gender: None

Age: None

Live Visualization

ECG

Connected sensor: 0%

Accuracy: 100%

Attention: █

Meditation: █

Delta: █

Theta: █

LowAlpha: █

HighAlpha: █

LowBeta: █

HighBeta: █

LowGamma: █

MidGamma: █

AlphaR: █

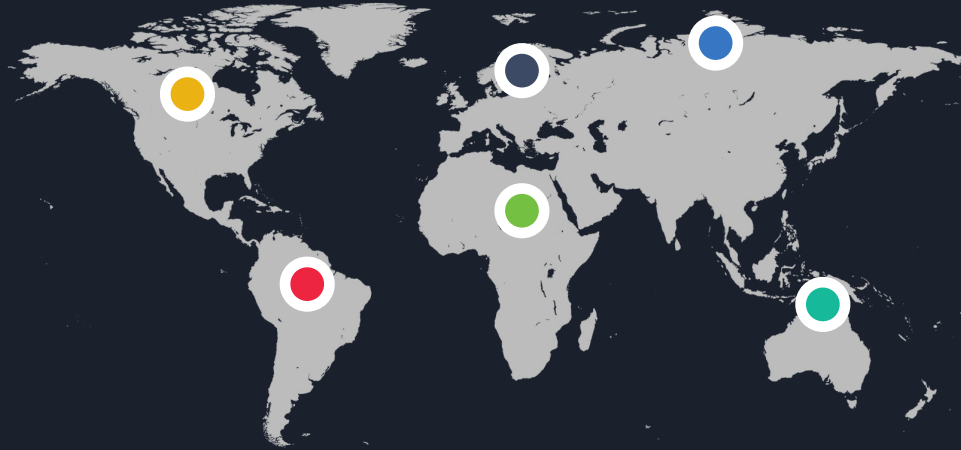
BetaR: █

Live

Export

Quit

OUR GLOBAL CLIENTS & PARTNERS



UNITED STATES

+200

projects ongoing/delivered

EUROPE

+20

Clients, projects & distributors

AUSTRALIA/NEW ZEALAND

+50

clients & services

ASIA- Taiwan, Singapore, Malaysia, CN, HK

+50

technology partners, distributors, vendors, clients, projects & services

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