aJtech

Research & Development Hub

COMPANY PROFILE

ABOUT US

AJ Tech Research Labs is a high-tech R&D company specializing in the design and development of IT solutions, Embedded products and algorithms for real-time GSM, GPS Tracking, RFID Solutions, Sensors, condition sensing devices, etc. that serve the needs of the Corporate and University in the Technology and to be the best Embedded Systems and IT solution Company to offer products, solutions & services in Electronics and IT fields by highly skilled Engineers with good knowledge. We are providing a Technology support to some Industries in Coimbatore and Trichy. AJ Tech is capable of transforming research results into practical implementation - the end result, new products for the mass market.

98% SUCCESS RATIO

50+ HAPPY CUSTOMERS

2 Number of Branches

100+ SUCCESSFUL PROJECTS

24/7 CUSTOMER SUPPORT

Most Customer-Centric Company

OUR SERVICES

WEBSITE DESIGN & DEVELOPMENT
SOCIAL MEDIA MARKETING
MOBILE APP
READY TO USE SOFTWARES
GRAPHIC DESIGN
FANTASY DEVELOPMENT
SS
EM
OO

AUTOMATED HARWARE DEVELOPMENT:

- PCB DESIGN AND ASSEMBLING
- PRODUCT RESEARCH AND DEVELOPMENT
- ELECTRICAL EQUIPMENT SERVICES
- INDUSTRIAL AUTOMATIONS
- PROJECT ANALYSIS
- INDUSTRIAL ERP

- INDUSTRIAL IOT
- HOME AUTOMATION/IOT
- ROBOTICS AI
- RFID DEVELOPMENT
- WEIGHING SCALE MACHINE
- FINGER PRINT & FACE RECOGNITION MACHINE

WE HAVE EXPERTISE SKILLS ON

OUR SERVICES

WEBSITE DESIGN & DEVELOPMENT
SOCIAL MEDIA MARKETING
MOBILE APP
READY TO USE SOFTWARES
GRAPHIC
DESIGN
NTASY DEVELOPMENT

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EM
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WEB DESIGNING ·······▶

- STATIC WEBSITE DESIGN
- DYNAMIC WEBSITE DESIGN
- PARALLAX WEBSITE DESIGN
- WEBSITE REDESIGNING
- RESPONSIVE WEB SITE DESIGN
- AR/VR & 3-D WEBSITES
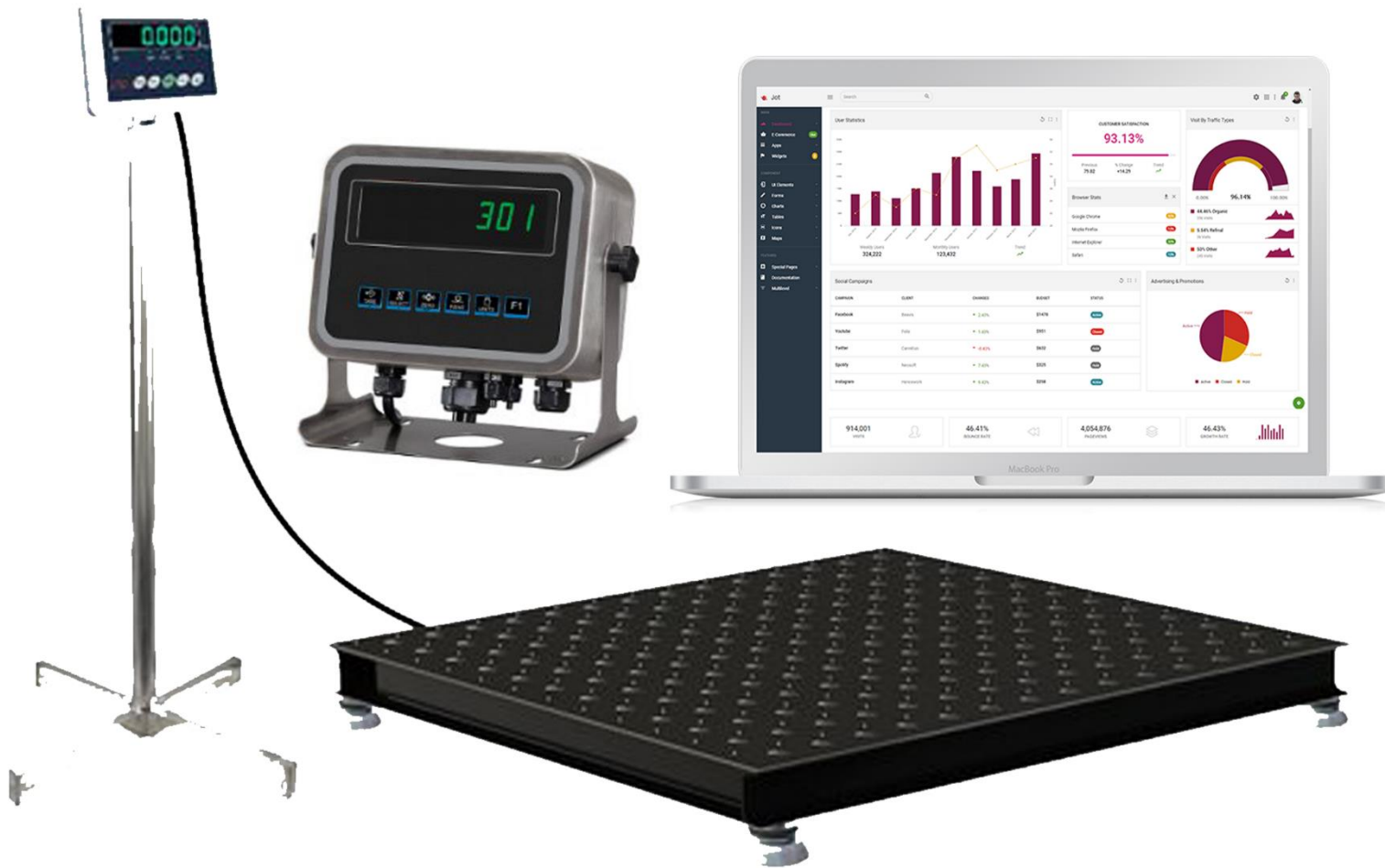
MOBILE APP DEVELOPMENT ·······▶

- ANDROID APP DEVELOPMENT
- IOS APP DEVELOPMENT
- IONICAPP DEVELOPMENT

DIGITAL MARKETING

- SEO SERVICES
- SOCIAL MEDIA MARKETING
- PPC SERVICES
- APP STORE OPTIMIZATION

WE HAVE EXPERTISE SKILLS ON

OUR PRODUCTS

AUTOMATED WEIGHING SCALING MACHINE:

- CAPACITY(40KG - 1TON)
- WEIGHT MONITORING
- MULTIPLE DEVICE SUPPORT
- AUTOMATICALLY PRINT TAG
- ETHERNET CONNECTIVITY
- 24/7 BATTERY SUPPORT

The device is served by auto weighing control system for automation industry. There are various types of weighing machines are available in market. but these weighing machines are not suitable for industrial applications.

Because every industry requires auto weighing control machine means the weighing machine should have automatic control of weight in order to accept or reject the product as per the standard weight. The product checked and passed by the auto weighing system is forwarded for final packaging. The device automatically sends the data to the system

WE HAVE EXPERTISE SKILLS ON

OUR PRODUCTS

OUR CONCEPTS

Efficient Lighting

Smart Multimedia

Proactive Surveillance

Climate Control

Access Control

Water Management

Energy-Efficiency

Alarm System

HOME AUTOMATION USING MOBILE APPLICATION:

- EFFICIENT LIGHTING
- ACCESS CONTROL
- SMART MULTIMEDIA
- PROACTIVE SURVEILLANCE
- CLIMATE CONTROL
- ENERGY-EFFICIENCY

The design challenges in home automation are increasingly apparent. Seamless controlling home, monitoring and programming by the end user have yet to enter the mainstream. This could be legitimate to the challenge of developing a fully independent and extensible home system that can support devices and technologies of differing functionalities and protocols.

Therefore, home appliances can individually be controlled both from within the home and remotely. This is very helpful to physically challenged people. The practical goal of this technology has been to create a virtual, but practically usable, mobile home automation system. The android & Ios mobile is used to send the commands to the device to control all the home appliances. The main feature of this system is to control the voltage levels of home appliance in home like speed of fan based on temperature, intensity of light based on light intensity etc. and another feature is we may get the status of our home appliances from our android & Ios mobile phone.

WE HAVE EXPERTISE SKILLS ON

OUR PRODUCTS

OUR CONCEPTS

Efficient Lighting

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HOME AUTOMATION USING VOICE CONTROL:

- EFFICIENT LIGHTING
- ACCESS CONTROL
- SMART MULTIMEDIA
- PROACTIVE SURVEILLANCE
- CLIMATE CONTROL
- ENERGY-EFFICIENCY

Voice Controlled Wireless Home Automation Based on internet/ Bluetooth/ wi-fi that is integrated with voice control device to give the facility to the elderly and the disable people, so that they can easily control home utilities fully Based on their device through voice command.

The device is built in such a way that it will be easy to carry, install, configure, run and maintain for the non-technical person. Home automation involves introducing to connect the certain electrical devices that are used in a home..

WE HAVE EXPERTISE SKILLS ON

OUR PRODUCTS

UNMANNED ELECTRONIC WEIGH BRIDGE SYSTEM:

- CAPACITY(30TON - 150TON)
- WEIGHT MONITORING
- MULTIPLE DEVICE SUPPORT
- AUTOMATICALLY PRINT TAG
- ETHERNET CONNECTIVITY
- 24/7 BATTERY SUPPORT

The Unmanned Electronic Weighbridge System is a stand alone system which allows 24 /7, weighing operations without the need of operator. Due to the system's easy interface the vehicle details which is automatically shared with mobile application. Moreover we custom design the system to suit the specific requirements of your operations.

We provide a two way weighment system for the weighbridge. This means the vehicle can enter from both side for weighment. We can pre-fix a specific weighbridge for weighment and if the driver uses another weighbridge, the system will not allow weighment.

Automated Weighbridge System - Weigh Soft is a intelligent solution that turns your weighbridge to a simple unattended terminal, eliminating the need of weighbridge operator.

WE HAVE EXPERTISE SKILLS ON

OUR PRODUCTS

Biometric
Face
Detection

FINGERPRINT AND FACE DETECTION:

- FINGERPRINT ID
- FACE ID
- ONLINE SUPPORT
- MULTIPLE DEVICE SUPPORT
- ETHERNET CONNECTIVITY
- 24/7 BATTERY SUPPORT

The biometric (Faceid & Fingerprint) system is an authentication mechanism that provides the automated identification of persons based on their unique physiological or behavioural characteristics. In other words, it is an automatic identification of a person based on his physiological or behavioural traits.

Physiological traits are inherited traits which are developed in the early embryonic stages of human development.Some distinct physiological characteristics that are measurable include the hand geometry, face, fingerprint, iris, and retina of individuals.

WE HAVE EXPERTISE SKILLS ON

OUR PRODUCTS

MOBILE APPLICATION USING BILLING SOFWARE:

- BLUETOOTH CONNECTIVITY
- QR CODE SCANNER
- 3 INCH PRINTER
- 2 INCH PRINTER
- STOCK MAINTAINANCE
- UPTO 20 LANGUAGE SUPPORT

Bluetooth - wireless technology is becoming a popular standard in the communication arena, and it is one of the fastest growing fields in the wireless technologies. It is convenient, easy to use and has the bandwidth to meet most of today's demands for mobile and personal communications. Bluetooth technology handles the wireless part of the communication channel, it transmits and receives data wirelessly between these devices.

It delivers the received data and receives the data to be transmitted to and from a host system through a host controller interface (HCI). While a mobile phone is simply more than a phone these days, the number of applications being built on a wide range of platforms for mobile phones is astounding. Wireless printing using mobile devices is gaining popularity and this paper aims to address this particular functionality from Mobile Application. Using this device (2" and 3") printer, we can print the documents via bluetooth.

WE HAVE EXPERTISE SKILLS ON

OUR NEW DEVELOPEMENT PRODUCTS:
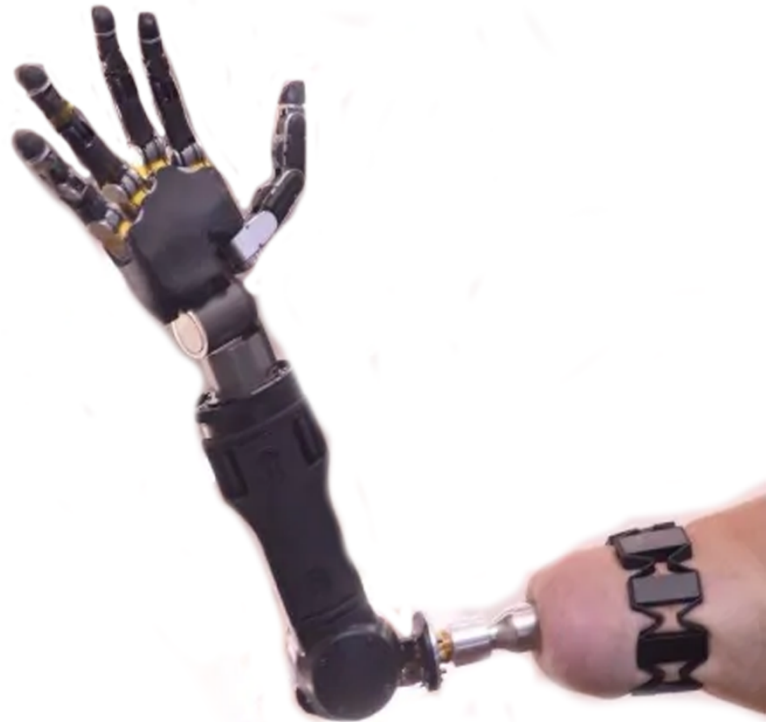
NEURALINK MIND ARM CONTROL:

- HUMAN MIND CONTROL
- HUMAN NERVE CONTROL
- ACCESS CONTROL

Bionic arm is a revolutionary idea for amputees across the globe. This is as close as we can get to our natural limb. The fundamental point is to make the arm move with our brain unlike previous prosthetic upper limbs. In the case of bionic arm we take the nerve conduction signals from the brain and amplify it so that we can register the signal and convert that electrical signal into mechanical energy so as to move the mechanical device. Various types of prosthesis have been made to suit many actions but not all.

But the bionic arm will be able to perform all kinds of movements of the human upper limb even the most difficult actions like unscrewing the cap of bottle or picking up a coin from the ground. This arm will also be able to judge the correct pressure required for any movement.

WE HAVE EXPERTISE SKILLS ON

OUR NEW DEVELOPEMENT PRODUCTS:

Ceiling-mounted power transmitter

Wire-free smart speakers

WIRELESS POWER TRANSMISSION:

- CHARGES AUTOMATICALLY
- MOBILE DEVICES
- POWER BANK
- SPEAKER
- LIGHT
- ACCESS CONTROL

Wireless Power Transmission (WPT) is the efficient transmission of electric power from one point to another through vacuum or an atmosphere without the use of wire or any other substance. This can be used for applications where either an instantaneous amount or a continuous delivery of energy is needed, but where conventional wires are unaffordable, inconvenient, expensive, hazardous, unwanted or impossible. The power can be transmitted using Inductive coupling for short range(8-10m).
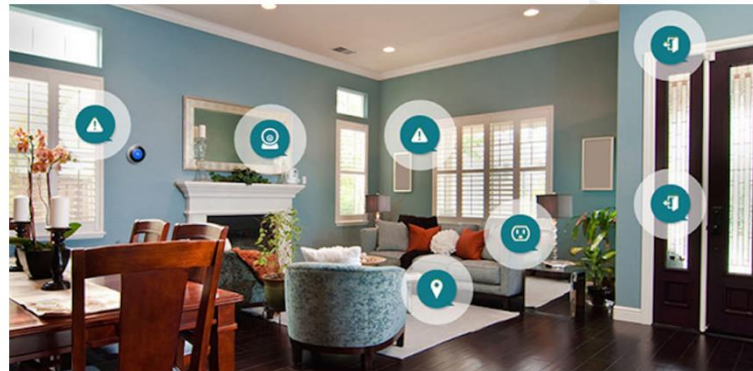
Resonant Induction for mid-range and Electromagnetic wave power transfer for high range. WPT is a technology that can transport power to locations, which are otherwise not possible or impractical to reach. Charging low power devices and eventually mid power devices by means of inductive coupling could be the next big thing.

WE HAVE EXPERTISE SKILLS ON

OUR NEW DEVELOPEMENT PRODUCTS:

SIM NOT REQUIRED

GLOBAL DATA CONNECTION (GDC)

- SIM NOT REQUIRED
- ANYWHERE / ANYPLACE
- PORTABILITY
- EASE ACCESS
- ACCESS CONTROL

1. It is a compact device, which is used for internet connectivity.
2. It does not require Sim.
3. You can switch from one network to other network seamlessly.
4. You can use it anywhere in the world, it has no restrictions.
5. Connects upto – 5 devices.
6. You can recharge the network by our Application (Android & Ios).
7. Battery standby – 24Hours.

WE HAVE EXPERTISE SKILLS ON

OUR NEW DEVELOPEMENT PRODUCTS:

OUR CONCEPTS

Efficient Lighting

Smart Multimedia

Proactive Surveillance

Climate Control

Access Control

Water Management

Energy-Efficiency

Alarm System

NEURALINK / MIND CONTROL HOME AUTOMATION:

- HUMAN MIND CONTROL
- EFFICIENT LIGHTNING
- CLIMATE CONTROL
- WATER MANAGEMENT
- PROACTIVE SURVEILLANCE
- ACCESS CONTROL

Mind controlled home automation system, which is based on Brain-computer, interfaces (BCI). BCIs are systems that can bypass conventional channels of communication to provide direct communication and control between the human brain and physical devices. System works by translating different patterns of brain activity into commands in real time.

The brain wave sensor will sense brain signals and it will convert the data into packets and transmit through internet. Then the control command will transmitted to the device. With these entire steps, system can control any home appliances through brain signals, which connected to the device

WE HAVE EXPERTISE SKILLS ON