Technofist

2018

ANDROID BASED PROJECT LIST 2018 -2019

At work as usual: 080-40969981 | Write to me: technofist.project

most: **+91-9008001602, 080-40969981**| On the Web

www.technofist.in , www.itc

TECHNOFIST

TECHNOFIST

6/20/2018

TECHNOFIST a leading student's project solution providing company established in Bangalore since 2007. With perfect infrastructure, lab set up, Work shop, Expertise faculties make us competitive service providers.

Here is the list of project titles 2018 and 2019.

DOORS OF TECHNOLOGY:

- EMBEDDED SYSTEMS
- MICROCONTROLLERS / ARM /PIC / AVR
- WIRELESS TECHNOLOGIES
- ROBOTICS
- ARDUINO
- GSM & GPS/ ZIGBEE
- MATLAB / VLSI
- IEEE PROJECTS ON JAVA / DOT NET
- INTERNET OF THINGS
- ANDROID BASED PROJECTS
- PHP
- AND COMPLETE MECHANICAL FABRICATIONS
- MECHANICAL DESIGN AND ANALYSIS

Projects are available for all branches of **ENGINEERING, DIPLOMA, MCA/BCA, and MSc/BSc.**

CORPORATEOFFICE:
TECHNOFIST
YES Complex,
#19/3&4, 2nd Floor,
Dinnur Main Road, R T Nagar Post
Opposite to Navodaya Vidyaneketan School
Bangalore – 32

==========

Support : 080-40969981 Sales :+91-9008001602
www.technofist.com ww.technofist.in www.itcdp.in
technofist.projects@gmail.com

==========

Here we provided a ***Android based 2018 project lis***t with abstracts. we do train a student from basic level of android which includes basic Java Classes, projects implementation, final project demo and final code explanations. If you have questions regarding these projects feel free to contact us. You may also ask for abstract of a project idea that you have or want to work on. The ***own projects idea*** for diploma and Engineering students can also encouraged here.

Android's default user interface is mainly based on direct manipulation, using touch inputs that loosely correspond to real-world actions, like swiping, tapping, pinching, and reverse pinching to manipulate on-screen objects, along with a virtual keyboard.

IEEE ANDROID PROJECT LIST 2018 AND 2019

	2018 – 19 IEEE TRANSCATIONS ON ANDROID BASED PROJECT TITLES
TIA001	**TITLE**- GREEN HOUSE MONITORING AND CONTROL USING SMART PHONES **ABSTRACT -** In agricultural country like India, greenhouses form an important aspect of agricultural and horticulture sectors. In greenhouses, plants are grown under favorable climatic conditions for its production and growth. Thus monitoring and control of greenhouse environment is necessary for production and management of greenhouses. This project is designed to monitor and control the indoor humidity and weather conditions affecting the plants using embedded system and Android mobile phone. The android phone is connected to a central server which then connects to microcontroller and humidity sensor via serial communication. Thus the sensor records and manages the required weather conditions proved to be appropriate for plant growth
TIA002	**TITLE**- DEVELOPMENT AND CONTROLLING OF 5 IN 1 MULTIPURPOSE AGRICULTURAL ROBOT USING SMART PHONES **ABSTRACT-** This robotic vehicle is an agricultural machine of a considerable power and great soil clearing capacity. This multipurpose system gives an advance method to sow, plow, water and cut the crops with minimum man power and labor making it an efficient vehicle. The machine will cultivate the farm by considering particular rows and specific column at fixed distance depending on crop. Moreover the vehicle can be controlled through Bluetooth medium using a Android smart phone. The whole process calculation, processing, monitoring are designed with motors & sensor interfaced with

	microcontroller.
TIA003	**TITLE –** ANDROID CONTROLLED PICK AND PLACE MOBILE ROOT **ABSTRACT -** Many of the wireless-controlled robots use RF modules. But this project makes use of Android mobile phone for robotic control. The control commands available are more than RF modules. For this the android mobile user has to install an application on her/his mobile. The wireless communication techniques used to control the robot .User can use various commands like move forward, reverse, move left, move right using these commands which are sent from the Android mobile. The microcontroller then transmits the signal to the motor driver IC's to operate the motors
TIA004	**TITLE –DEVELOPMENT OF DATA ACQUISITION ROBOT FOR TOXIC ENVIRONMENTAL MONITORING USING WSN – KROTOFINDER** **ABSTRACT-** This project is mainly implemented for industrial applications. Mainly for detecting the damages inside the oil pipe that cannot be detected by human beings. Kroto is the Greek word meaning to crack. Inside the pipe, there is very heavy temperature, pressure and toxic gases. So we are implementing a robot that have a camera, temperature sensor, pressure sensor etc which is used to detect the crack and conditions inside the pipe. This data from all the high precision sensors will be transmitted using blue-tooth to android phone from the robot to the control station. The robot incorporates a wireless camera and the data from the cam is transmitted to the fronted Visual studio
TIA005	**TITLE –DEVELOPMENT OF PATIENT MONITORING SYSTEM USING SMART PHONE** **ABSTRACT -** Telemedicine is a rapidly developing application of clinic medicine where medical information is transferred through the phone or other networks for the purpose of consulting and performing remote medical procedures or examinations. Telemedicine can be applied to a greater extend in the field of cardiology where ECG serves as the major tool. This project elaborates the experience; a methodology adopted and highlights various design aspects to be considered for making telemedicine in patient monitoring system effective. In this method, the patient's vital signs like ECG, heart rate, breathing rate, temperature are captured and the values are continually displayed on the doctor's phone using ANDROID technology. It also enables the doctors to instantly send back their feedback to the nurse station.
TIA006	**TITLE – DESIGN AND DEVELOPMENT OF ANDROID CONTROLLED SMALL UNIT UNMANNED VEHICLE FOR TODAY'S ARMY** **ABSTRACT -** Nowadays robots play an important role in human beings day-to-day life. And Life is very important. Soldiers form the backbone for their country and they are very

	precious gem to their country. So soldier's life becomes more valuable. So here is a project which performs the functions of a soldier like firing, walking into the field. With the help of sensors and wireless camera the robots acts as a soldier and the commands are given to the robot through android app
TIA007	**TITLE – ANDROID SPEECH RECOGNITION BASED VOICE COMMAND NOTICE BOARD** **ABSTRACT -** Notice Board is primary thing in any institution / organization or public utility places like bus stations, railway stations and parks. But sticking various notices day-to-day is quite a difficult process. A separate person is required to take care of this notices display. This project deals about an advanced hi-tech wireless notice board. The main objective of the project is to develop a wireless notice board that displays notices when a message is sent from the users mobile. While the user sends the message from the mobile, the remote operation is achieved by any smart-phone/Tablet etc., with Android OS, upon a GUI (Graphical User Interface) based voice operation. Transmitting end uses an Android application device remote through which commands are transmitted. At the receiver end, these commands are converted to texts used which are displayed on a 20X4 LCD - interfaced to the microcontroller. Serial communication data sent from the Android application is received by a Bluetooth receiver interfaced to the microcontroller. The program on the microcontroller refers to the serial data to display the received data on an 16X2 LCD. The power supply consists of a step-down transformer 230/12V, which steps down the voltage to 12V AC. This is converted to DC using a Bridge rectifier. The ripples are removed using a capacitive filter and it is then regulated to +5V using a voltage regulator 7805, which is required for the operation of the microcontroller and other components.
TIA008	**TITLE – DEVELOPMENT OF WSN BASED WATER LEVEL MONITORING AND CONTROL SYSTEM USING ANDROID** **ABSTRACT -** In this paper we introduce the notion of water level monitoring and management within the context of electrical conductivity of the water in industries, especially in chemical industries. More specifically, we investigate the microcontroller based water level sensing and controlling in a wireless environment using android device to monitor and control. Water Level management approach would help in reducing the home power consumption and as well as water overflow. Furthermore, it can indicate the amount of water in the tank that can support Global Water types including cellular dataloggers, satellite data transmission systems for remote water monitoring system. Moreover, cellular phones with relative high computation power and high quality graphical user interface became available recently. From the users perspective it is required to reuse such valuable resource in a mobile application. Finally, we proposed a web and cellular based monitoring service protocol would determine and senses water level globally.

TIA009	**TITLE**- ANDROID MEETS LED BULBS IN SMART-HOME AUTOMATION **ABSTRACT –** Android is a free, open source mobile platform. It is a linux-based, multiprocess, multithreaded operating system. Android is a software stack for mobile devices that includes an operating system, middleware and key applications. By providing an open development platform, android offers developers the ability to build extremely rich and innovative applications. Bluetooth is selected as our way of communicating PDA/Mobile with the central system.
TIA010	**TITLE –** ANDROID BASED DEVICE CONTROL USING BLUETOOTH **ABSTRACT –** Android is a free, open source mobile platform. It is a linux-based, multiprocess, multithreaded operating system. Android is a software stack for mobile devices that includes an operating system, middleware and key applications. By providing an open development platform, android offers developers the ability to build extremely rich and innovative applications. Bluetooth is selected as our way of communicating PDA/Mobile with the central system.
TIA011	**TITLE – ANDROID BASED SMART HOME AUTOMATION** **ABSTRACT –** The purpose of this project is to present an implementation of smart home automation with advanced android mobile using Bluetooth. It is intended to give the user the ability to manage all the equipments that are capable of being automated, from a single controlling source. This document can serve as a reference or guide to the developers of smart home automation using android.

HEAD OFFICE

TECHNOFIST- R T NAGAR

YES Complex, #19/3&4, 2nd Floor, Dinnur Main Road, **R. T. Nagar** Post,
Bangalore 560032
Ph : 080 40969981, Mob : +91 9008001602
www.technofist.com, www.technofist.in , www.itcdp.in