

Patent Filed:

A system for building, customizing software and hardware interfaces of smart phone using Raspberry Pi
Application No. 2354/DEL/2015

Marketed & Manufactured By:

Trinity Microsystems Pvt. Ltd
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Supported Accessories:

CD, Book, Online support at

mysmartphonekit.mobileeducationkit.net

Similar kits on Intel Edison, Intel Galileo, Gen2, Intel Atom , Snapdragon are to be released soon

About IGDTUW

Indira Gandhi Delhi Technical University for Women (IGDTUW) has been upgraded from Indira Gandhi Institute of Technology in May 2013 vide Delhi State Legislature Act 9, 2012, as a non-affiliating teaching and research University at Delhi to facilitate and promote studies, research, technology, innovation, incubation and extension work in emerging areas of professional education among women, with focus on engineering, technology, applied sciences, management and its allied areas with the objective to achieve excellence in these and related fields.

www.igdtuw.ac.in
mysmartphonekit.mobileeducationkit.net

About Trinity Microsystems Pvt. Ltd.

Trinity Microsystems Private Limited was registered on 12 November, 1998. Trinity Microsystems Private Limited's Corporate Identification Number (CIN) is U30007DL1998PTC097051, Registration Number is 097051.

Their registered address on file is 313, Triveni Complex, E-10-12Jawahar Park, Laxmi N, Delhi - 110092, Delhi, India.

Trinity Microsystems Private Limited currently have 2 Active Directors / Partners: Mary Elizebeth Vijayalaxmi Meruga, Merugu Yesurathnam

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IGDTUW in Collaboration with Trinity Microsystems Pvt. Ltd My_smart Phone Kit



Developed by Department of Computer Science and Engineering, Indira Gandhi Delhi Technical University for Women Under the aegis of MY_SMARTPHONE Project, Sponsored by Microsoft Mobile University Relations (Nokia University Relations)

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The kit is designed to be used for M.Tech, B.Tech, MCA, BCA, MSc, Diploma courses of CSE/IT/ECE/EEE etc and the same can be used as a Linux and Android PC to experiment the theoretical concepts in practical. Several commercial & Innovative projects are also provided to facilitate the capabilities and learning methodologies for other developed innovative projects.

It uses completely open source hardware, software & developmental tools to provide the integrated solution along with online portal, textbook that describes various experiments of different subjects in detail.

This kit explores the integration of application development with open source customized OS (Linux & Android) to prototype the project ideas and experiments. Components will be made available as per the needs of projects and requirements for an application.

Interested faculties and students can contribute further for collaboration and the same will be published after review.

MY_SMART PHONEKit Features:- System Prototype



BUILD MY_SMART PHONE

Several aspects of OS, Communication, Sensors are provided to explain various aspects practically and theoretically.

MY_OS

1. Linux based (customized)
2. Android based (customized)
3. Windows based (customized)

COMMUNICATION

1. Wired (SPI,I²C, UART,USB)
2. Wireless (GSM,GPS, Bluetooth, Wi-Fi)

INTERFACES

1. Input & Output (Mike, Speaker, Camera, TFT etc)
2. Sensors (Temperature, Humidity, Light, Accelerometer, Pressure)

Featured Courses:

1. Mobile Computing
2. Embedded System
3. Wireless Communication
4. Design & Development of Mobile Device
5. Smart Device Development
6. System On Chip
7. Internet Of Things

Suitable for practical applications and system development for M.Tech, B.Tech, MCA, BCA, MSc, Diploma courses

Beneficiaries:

Teachers who are teaching Communication Systems, Mobile Computing, Embedded Systems, students and hobbyists

Coordinating Institutes

IIT delhi
IIIT Delhi
NITTTR, Chandigarh
SNU, Dadri
NIT Warangal

Resource Persons from IGDTUW, Trinity Microsystems,