## MANU M R

#994, Rajarajeshwri Nagar

BEML Layout., Bogadi 2nd stage E-mail: manuramaswamy@gmail.com

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**Objective**: Seeking a long-term association, where individual skills, hard work and honesty are recognized and conductive work culture is provided with ample opportunity to learn and enrich my professional competencies.

ACADEMICS

* **BE** in **Electronics and Communication** (Year of course completion: **June 2015**) **VTU**, NDRKIT, **Hassan. (Pursuing** with 52%)
* **DIPLOMA** in **Electronics and Communication**  **May 2010**  
  **Srimath Polytechnic, Mysore.** **[58.04%]**
* **SSLC**  **June 2003**  
  **Govt. High School, Madapura. [59.84%]**

Course Undertaken

**Diploma in Embedded System 2012  
Mysore Embedded Technology Institute, Mysore**

* Embedded System and Software Course: 6 months.
* Worked on PSOC 3 Creator software developed by Cypress Semiconductor.
* **Course Projects :**
* Ambient temperature measurement using LM35 and also using NTC thermistor.
* Level sensing with an Accelerometer.
* ADC with RS232.
* External EEPROM Interfacing+7Segment.
* Dc Motor RPM calculation.

TECHNICAL SKILLS

* Basic Knowledgeof **C**, C++, keil uVision 3, Basics of Java
* Knowledge of **Power Electronics, Microcontroller** **8051, Microprocessor 8086.** PIC **Microcontroller, ARM7 Microcontroller.**
* Operating system**:** MS-DOS ,Windows 95/98, XP, Vista, Windows 7, Windows 8
* Applications:MS-Office97/ 2000/2003/2007.

ACADEMIC PROJECTS

**1. BE Project “NFC Device for Drug Interaction and Drug Allergy Prevention”**

**System for Prevention of Medication Errors in Multi-Morbidity Patients:**

Problem Overview:

* Intended for Multi-Morbidity Patients: Who take multiple medications for chronic diseases.
* Multiple drugs interact. Patients have limited and specific pattern of consuming medication drugs, which otherwise lead to complicated drug allergies.
* We need an intelligent system to provide them guidance to prevent such medical errors

**Solution:** We designed and developed a proof of concept of an “NFC based Embedded System” which can intelligently handle above scenarios and provide guidance to patients.

The system demonstrated simple close loop feedback, warning capabilities and has following components:

* **Wearable Near Field Communication (NFC)** based readerfor patients
* **NFC Tags on all Drugs and Patients**
* **Centralized Embedded Microcontroller (Arm 7) based system**
  + Wireless communication [ GSM ] capability
  + Algorithm to analyze drug allergies based on patient’s consumption history
  + Can communicate to Cell/Mobile Phone
  + In-build alarm and LCD display based warning system
* **Duration:** 6 Months with Team Size of 4 members**.**

**2. Diploma Project: “Intelligent digital room power controller**.”

Developed an Automated System to Regulate Power of Component Devices in Living Room with following capabilities:

* + - Depending upon the temperature of room, controls switch ON/OFF of Fan.
    - Increments/ Decrements the Counter depending on the person IN/OUT from the room.
    - Switches OFF the light when counter is Zero, in turn saves power.
    - **Duration**:6 Months with Team Size of 4 members.

PERSONAL DETAILS

Name : Manu M R

Date of Birth : 04th Jan 1987

Father’s name : M C Ramaswamy

Sex : Male

Marital Status : Single

Languages Known : English, Hindi & Kannada.

Nationality : Indian

Permanent Address: #120/1, Madapura, K.R. Pet (T), Mandya (D).-571423

STRENGTHS

* Optimistic, Creative and Analytical Thinker
* Quick and Effective Learner
* High Urge for Learning
* Effective Communicator.

**Declaration:** I hereby declare that the above information furnished is correct and true to the best of my knowledge.

Thanking you,

Yours faithfully

**Date:   
  
Place:**

**(MANU M R)**