Hond-I integrated technologies pvt ltd **email: info@hond-i.com**
www.hond-i.com Phone: +91-9902355998

Objective: We are capable to develop product based R&D for electronic company. We need projects contract or sub contract. We have expertise embedded engineers. We do outsource embedded engineers.

Professional Summary:company started 3 years back. Back boned by expert embedded professionals.Micro controller 8/16/32 bit development capability.
ACADEMIC PROFILE: BE (TELECOMMUNICATION)

SKILL SETS:

ADMINISTRATION: Documentation, team leadership

PROGRAMMING LANGUAGE: C/C++ and ASSEMBLY.(GCC compiler use)

RTOS: VxWorks, FREE RTOS, RTLinux, SALVO for PIC, Ecos,

PLATFORM: windows 95/NT, XP (VxWorks), Linux (red hat, debian, suse) (driver development, kernel programming)

ARCHITECTURE: 89C51/52 SERIES, 8086, PIC 16f877a and MCP2510, 18f458 (CAN)
: Atmega16L, Atmega128, ARM7 (LPC2119, SAM7, SAM9), MC68K
PROCESSOR: i386, ARM7, SAM9 (ARM9 core),68k

CONTROLLERS WORKED: 89C51 series, atmega128, atmega16, pic micro controllers (16f877a, 18f450, 18f458, MCP2510, dsPIC30F2010), MSP430 (TI)

TOOLS USED: keil IDE, ccs compiler, Mplab IDE, code vision IDE, avr studio IDE, gcc, GDB debugger, ARM Linux cross compiler, Tornado IDE,code composer studio, Eclipse IDE

DEBUGGING and PROGRAMMING EMULATOR: JTAG, ICD, ISP, PARLLEL PORT, SERIAL PROGRAMMER.

HARDWARE: RF design and testing, 8bit and 16bit board design and testing

HARDWARE CIRCUITS TESTED: RF Tranciever, Multiplexer, LCD, serial port by hyper terminal, parallel port, USB, microcontrol pin outs, Logic devices, sensors, stepper Motors, relays. Power trains for automotive project. design of inverters for automotive projects

TESTING INSTRUMENTS USED: Logic analyzer, cathode ray tube oscilloscope, multimeter, and signal generator, CANking.

PROTOCOL KNOWLEDE: RFID, BLUETOOTH, FBUS, ARINC, SPI, I2C, CAN, LIN.

INTERFACE: RS232, RS485, SPI, USB, I2C, PARALLEL PORT, LCD, PWM, JTAG, CAN, field bus, ICD, ISP, TCP/IP

WIRELESS: Bluetooth, RFID, GSM, GPS

HARDWARE: hardware installation and software installation, troubleshooting

PROJECT PROFILE:

More than 45 small embedded projects
Project10:pure sinewave based 5kva ups

Project9: automated sms system.linux based

Project 8: solvent delivery system:
PSOS RTOS,c++. Reverse engineering. Psos under unix.
Processor used: Motorola 68k processor.
Team size:4
.

Project 7: Flouroscence spectrometer:
Ecos rtos. Hardware testing and debugging. GCC compiler. all driver development driver development.
Processor used: ARM9 (SAM9) processor
Team size:4
Tools:C,C++,Cygwin a unix environment in window.

Project 6: PVR (personnel video recorder)
Processor used: ARM9 (ATMEL) GCC compiler, LINUX platform,C,C++

Project 5: **CAR AUTOMATION (R&D):** This project is aimed to fully automate the car by electronic control. Totally having more than 30 nodes. Worked on Power train with square wave and sine wave inverter.

Processors used: x86 board, ARM72119, 18f458, 89c51
Tools;gcc compiler,embedded Linux,c++ code development ,bootloader and driver development.micro controller code development.
Responsibility: Development of Drivers for Linux and documenting, involved in some application programs in micro controller.

Project 4: **POWER PLANT CONTROL**: This is a BHEL project, the over all control of boiler based power plant control is made using X 86 main boards and all other sub boards are ARM2119 micro controller based. VxWORKS RTOS is used. This project totally having 200 nodes all controlled by CAN protocol..

Processors used: X86, ARM2119, PCICAN used for x86

Tools: Tornado II-Vxworks
Client-BHEL

Project 3: SMART CARD WIRELESS ACCESS: Smart card reader connected to arm processor
Transmit data via RFID and communicate with centralized data base.(Linux and windows)
Used for office automation and college automation.
Team size-4
Tools: ARMLINUX, Debian running in i386-crosscompilers,Keil IDE
Processors: i386, SAM7 (Atmel ARM7), 89c51
Client: warden India

Project 2: SNOW PLANT CONTROL: This X86 board system controls the over all snow plant using parallel port. Embedded Linux used is debian. Parllel port driver is developed and application program developed by me and tested by me.
Client -Mangalore snow plant Company
Processor: x86 board
Responsibility- testing and documentation
Team size-4

Project 1: **LARYNX**: This is DSP based product, which is used for deaf and dumb people to interact with normal people. Individual kannanda letters pronunciations are stored in particular memory. Then according to the key pressed all pronunciations are retrieved from the memory one after one. By that word typed will be pronounced. **DSPIC30F2010** board is used.
Client-all India deaf institutes –Mysore
Team size-4
Duration:3 month

Personnel details: HOND-i integrated technologies pvt ltd
Address : No-155/A, mallathalli main road, Bangalore-560056

info@hond-i.com,hr@hond-i.com
www.hond-i.com