EmbeddedCraft
crafting of intelligent systems

JUNE 2010 INFOLETTER

LATEST NEWS

» **Dual ARM Cortex-A9 core in SPEAr1300 from ST**
   SPEAr1300 will have dual ARM Cortex-A9 core, both core run at 600 Mhz
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» **mTouch Sensing Technology Based Controller and Development Kit from Microchip**
   Development tools based on mTouch Technology
   To read more **Click Here**

» **Freescale announced new microcontroller for smart meter design**
   Freescale has released three new microcontrollers for electricity and flow meters design
   To read more **Click Here**

» **ST announced first SerDes IP on 32nm silicon**
   ST has announced a new ASIC for networking applications build on 32-nanometer (nm) technology platform.
   To read more **Click Here**

» **Eclipse Lab | Project Posting Based on Open Source based on Eclipse**
   A place for open source project based on Eclipse IDE.
   To read more **Click Here**

» **STMicroelectronics Announces Formal EAL6+ Certification for ST23YR80 Secure Dual Microcontroller**
   EAL6+ certificate is very difficult to get, and ST did it for Dual Microcontroller
   To read more **Click Here**

» **QNX v6.5 RTOS is Released**
   QNX has very good place in Automotive Industry, Watch their latest version.
   To read more **Click Here**

» **Summer Training Program in Embedded System Announced**
   Imbuent has announced Embedded System Training Program starting from 8-June and 15-June-2010.
   To read more **Click Here**

Click Here to read all latest updates

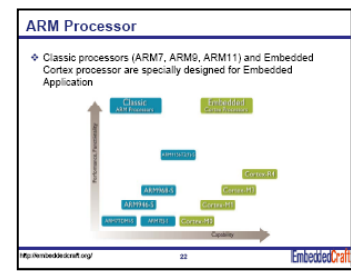
Embedded System Training

Want to join Demo Class on 5 - June-2010? Send email at info-at-imbuent.com with Subject Demo class on 5-June-2010, To know more Click Here

Imbuent Consultancy & Services, Punjab INDIA   **(Sponsored Link)**

ARM Processor Basic

ARM microprocessors have very large space in handheld market. Lot of products like mobile phone, compact software defines radios etc is using ARM processor. ARM now days has come up with Cortex architecture which give high performance at low power consumption. ARM processors are well supported by Linux. You can easily find linux board support package for ARM9 and onwards processors. For ARM7 processor uClinux can be easily ported. ARM development tools are also available in the market. GNU tools are also supporting ARM. Lot of development boards are also available in the market. This presentation describes ARM processor basics and different tools available for ARM. Hope this will be useful for all.

To Read More **Click Here**

Comparison Between Microprocessors 8085, 8086, 8088, 80186, MC6800 and Zilog80

This tutorial gives a brief comparison among different classic microprocessor families like 8085, 8086, 80186, Zilog 80 and Motorola 6800 processor. 8085 is considered as entry gate for learning of microcontrollers. In universities 8085, 8086 is the part of course. Hope that this will be useful for all.

Read More **Click Here**

8085 and Z80

8085 and MC6800

8086 and 80386

8086 and 8088
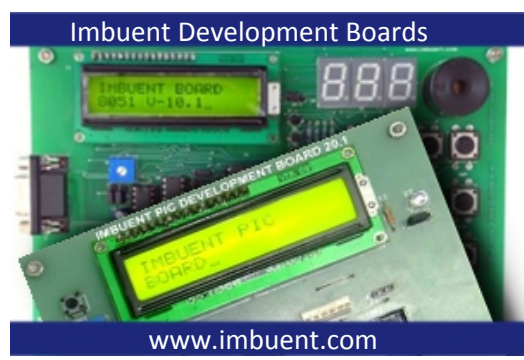
» **Embedded System Conference - 2010 INDIA**
  To read more **Click Here**

» **Embedded System Training Program -2010 INDIA**
   Learn 8051 | PIC18 | ARM7 | Embedded Linux
   To read more **Click Here**

  To See all events of year 2010 Click Here

PIC16F707 | Flash Microcontrollers with nanoWatt XLP and mTouch

Want to implement touch buttons in your next project, then here comes microchip's PIC16F707 controller, this is 8 bit processor and belong to mTouch technology of microchip. It has following cool features

» 40 pin package and Pinout Compatible to other 40-pin PIC16FXXX Microcontrollers

» It has two Capacitive Sensing modules of 16 pins each.

» In build A/D Converter of 14 channels and 8 bit resolution.

» Sleep mode current is only 20 nA at 1.8V (as per claimed by microchip)

To read more **Click Here**

FREE DOWNLOAD

GnuPG | Open Source Implementation of OpenPGP standard used for Secure Communication and Storage

» GnuPG is free and open source application, which is used to encrypt and sign your data and communication

» This is command line tool with features for easy integration with other applications.

» It the real crypto engine which can be used directly from a command prompt, from shell scripts or by other programs

» GnuPG works on **GNU/Linux** with x86, alpha, mips, sparc64, m68k or powerpc CPUs. Mainly it is written for X86 platform.

» GnuPg also supports key and signature expiration dates.

» This is Open Source and free to use.

So this is useful tool to encryption your valuable data and its complete peace of mind. If you want any customization in GnuPG then you can also do it or and avail this service on payment basis.

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