

## **Embedded LINUX Course**

This program is intended for programmers and engineers who seek an in-depth understanding of MontaVista Linux system architecture, and programming. Both system and kernel programming are discussed in this program, with nearly 50% of the course duration being lab exercises. This is a fairly intense programming class.

### ***Day 1***

*1 The Linux Memory Model*

*2 Shared Libraries*

*Lab 1 - Setup and Booting Target*

*Lab 2 - Develop and Debug Application*

*Lab 3 - Creating and Using Shared Library*

### ***Day 2***

*3 Linux Threads and Scheduling*

*4 Synchronization*

*5 Inter Process Communications*

*6 Networking*

*7 Time and Timers*

*Lab 4 - Working with Linux Threads*

*Lab 5 - Linux Process and IPC*

*Lab 6 - Using Timers in User Space*

### ***Day 3***

*8 Configuring the Linux Kernel*

*9 Linux File Systems*

*10 Deploying Linux*

*11 Final Thoughts*

*Lab 7 - Building a Linux Kernel*

*Lab 8 - Tracing Linux Kernel Activity Using LTT*



[www.ftdsolutions.com](http://www.ftdsolutions.com)

Email: [info@ftdsolutions.com](mailto:info@ftdsolutions.com)

Contact : +65-64882469

Singapore, Malaysia, Thailand, Vietnam, Philippines, Indonesia