

EMBEDDED LINUX ON ARM



EASY
ARM

Enabling ARM Learning in INDIA
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PHYTEC_Wega-AM335x, Cortex-A8

Workshop

“Embedded Linux on ARM” workshop is an exclusive practical training for building the Embedded Linux System.

Who should Attend?

Those who want to bring up the Linux kernel on real target and want to start learning Embedded Linux right from scratch.

Registration:

Drop a mail to info@easyarm.com with your contact details.
For any query please call on Ph: +91-80-41307589
Mob: +91-9972039671



Course : Building Embedded Linux Systems (2 Days)

Fees: Rs. 4,560.00

Day-1

Lecture: Introduction to Embedded Linux and ARM Cortex-A8 Hardware

Lecture:

- Toolchain Components
- Building Toolchain
- Build Systems for compiling toolchain

Lab: Toolchain compilation and usage.

Lecture:

- Bootloader Architecture
- U-Boot Bootloader Porting on New Hardware.
- U-Boot Commands

Lab: Bootloader compilation and downloading on Target board.

Lab:

- Bootloader commands and usage,
- Bootloader code customization, adding new Ethernet drivers to U-Boot.

Lab: Downloading pre-compiled Linux kernel images on Target board.

- > Using SD-Card for rootfs.
- > Configuring NFS and using rootfs over NFS.
- > Configuring TFTP and downloading kernel image over TFTP.

Day-2

Lecture: Linux Kernel Architecture.

Lecture: Linux Source code browsing & code changes for a new Target [Porting]

Lab: Configuring and compiling Linux Kernel.

Lecture: Root file system.

Lab: Building Root file system with Busybox and booting the Linux Kernel

Lab: Cross compilation of libraries for target.

Lab: Application development and Cross compilation.

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