LEVANA TECHNOLOGIES

Linux Internals and Advanced Programming Training Workshop

Course Duration: Three Full Days

Course Fees: INR 3,800/- + GST

Course Outline:

Linux Kernel Internals
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* Introduction to Kernel
* User space and kernel space
* Kernel Internals:
    - Splitting the kernel
    - File System
    - Process Management
    - Memory Management
    - Interrupts
    - Time and timers
    - Device Driver classes
* Kernel Configuration
* Kernel Compilation
* Kernel Parameters
* Kernel Synchronisation
* Boot Process - From Power ON to login prompt
* System Initialization Scripts

Linux Advanced Programming
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* Arguments , the environment, and popular system functions
* File operations
* Introduction to Shell programming
* Creating Makefiles
* Creating Static Library, Shared Library
* Multi Process Programming,
* Multi Thread Programming
* IPC Mechanisms & Programming: Semaphores, Signals, Pipe, FIFO, Message Queues, Shared
Memory
* Introduction to Sockets
* Network Programming: TCP/UDP Server Client programming
* Debugging using gdb & core dump analysis

Advantages of Levana Technologies

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  * 100% Practical Oriented Workshops
  * Comprehensive Course Material Provided
  * 1:1 Hardware Provided
  * Industry Experienced Faculty
  * Value for Money, Choose Modules of Your Choice
  * Technical Support Even After Training

Other Fast Track Training Workshops conducted by Levana Technologies

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* Linux Advanced Programming Training Workshop
* Integrated Linux Internals and Advanced Programming Training Workshop
* Linux Device Driver and Kernal Progarmming Training Workshop
* Embedded Linux and Device Driver Progarmming Training Workshop
* Unix / Linux Shell Scripting with sed and awk Training Workshop
* ARM, 8051 Programming
* Learn Japanese Language

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