



LEVANA TECHNOLOGIES

Neel Residency-2 CHS, Wing G, Flat No. 002, Plot 34, 48-51, Sector 3, New Panvel, Navi Mumbai.

(Land Mark Opp. Dwaraka Sweets shop) Maharashtra Pin 410206.

Contact No:- **9869210326**, Email : **info@levanatech.com**

Website: **<http://levanatech.com/>**

Linux Device Drivers and Kernel Programming Training Workshop

Course Duration: Two Full Days

Course Fees: INR 3500/- + GST

Course Outline:

- * Linux Device Drivers and Kernel Development
- * An introduction to device drivers
- * Kernel Module Programming Basics
- * Kernel Debugging Techniques
- * Accessing Hardware Mechanisms
- * The proc file system programming
- * Communicating with Hardware
- * Hardware and Interrupt Handling
- * Tasklets and Bottom halves
- * Kernel Threads
- * Sleep and wakeup (wait queues)
- * Buffer allocation
- * Memory Mapping and DMA
- * Memory Management
- * Kernel Synchronization
- * Concurrency and Race Conditions
- * Time, Delays and Deferred Work
- * The Linux Device Model
- * Character Device Drivers
- * Enhanced Character Device Drivers
- * Programming with ioctl()
- * Netlink socket interface
- * Network Drivers
- * Adding a Driver to the Kernel Tree
- * A sample device driver project

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 Kernel Programming Training Workshop
- * Embedded Linux and Device Driver Programming Training Workshop
- * Unix / Linux Shell Scripting with sed and awk Training Workshop
- * ARM, 8051 Programming
- * Learn Japanese Language

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For more details visit our website at <http://www.levanatech.com>

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