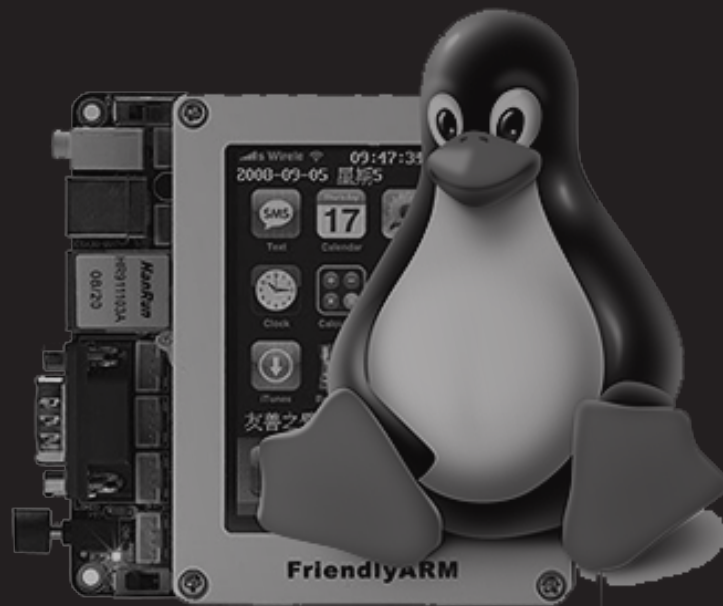


LINUX DEVICE DRIVER

PROSPECTUS

LDD



ABOUT ISM UNIV

ISM UNIV is established in 1994 , past 21 years this premier institution has trained over 7000+ Engineers on Embedded Systems and other Software Engineering courses. ISM has carved a nice career for all students, This institution is founded & headed by **Mr. LOGANATHAN V** he is the CEO of this institutions. Over last 21 years this institution has Earned good will and become one of the sought after Embedded and Software Training institution in India. Today we are proud to say we are **Ranked #1 Embedded systems training institute in India.**

Our Training methods and quality of service are far ahead of our competitors which makes ISM to be a unique place to fine tune skills.

ABOUT LINUX DEVICE DRIVERS

Device Driver is Essential code which performs as Black-box for user and interprets the Os commands to Hardware and Hardware signals to OS. And makes every hardware devices to work seamlessly with OS. Device drivers simplify programming by acting as translator between a hardware device and the applications or operating systems that use it. Programmers can write the higher-level application code independently of whatever specific hardware the end-user is using. Writing a device driver requires an in-dept understanding of how the hardware and the software works for a given platform function.

PLACEMENT RECORDS

We are a proud Institution having helped most of our students in their career building process.

We conduct 25 interviews per month and place 40 students per month, which is genuinely far ahead of any of our competitors.

We have client base across India and abroad , we work with MNC's and MSI , we cater all our clients with trained manpower and we ensure our client satisfied with the manpower supplied. we ensure this with Quality training.

We provide 100% Genuine placement assistance and guidance and help you to begin an innovative career. We promise you that we provide interviews until you get a job.

We have **placed 5000+ students so far....**

CERTIFICATE COURSE ON LINUX DEVICE DRIVERS DEVELOPMENT

This is an Authentic course from ISM UNIV which makes you understand all techniques and skills required to develop a Linux Device Driver, This course is an Essential skill any system Developer should posses

COURSE OUTLINE

1. Basics of Linux Kernal Organisation
2. Types of Kernals
3. Overview of Firmware
4. What is Device Drivers
5. Character Devices
6. Kernel Features
7. Interrupts and Exceptions
8. Exporting, Licensing and Dynamic Loading
9. Debugging Techniques
10. Kernal Timers
11. Race conditions and Synchronization Methods
12. IOCTLs
13. Unified Device Model and sysfs
14. Firmware
15. Memory Management and Allocation
16. Transferring Between User and Kernal Space
17. Sleeping and Wait Queues
18. Interrupt Handling: Deferrable Functions and User Drives
19. Hardware I/O
20. PCI
21. Platform Drivers
22. Devices Trees
23. Direct Memory Access (DMA)
24. Block Deice Drivers
25. Network Device Drivers
26. USB Drivers

VALUE ADDITION (FREE) FOR ALL STUDENTS

1. 2 e-learning courses
2. Soft copy of all software used in the course
3. Access to E-library during course period

COURSE FEE

Course Fee : Please contact us

Duration : 40 hrs

COURSE INCLUDES

1. 80% Instructor lead Training (32 hrs)
2. 20% Online training (08 hrs)
3. Course Materials
4. Certificate
5. Placement Guidance
6. Recaps & Tests
7. Expert Lectures

ELIGIBILITY

C Programming + Knowledge of Linux/Unix Systems Programming

OUR CLINETS WHO RECRUITS ISM STUDENTS

							
							
							
							
							
							
							
							
							
							
			These are few clients who recruite ISM Students				

Are the few in list we have client list of 1500+

INDIA's LEADING & LARGEST EMBEDDED TRAINING INSTITUTE



**Bangalore: #29/18,17th E main,5th Block, Rajajinagar ,Near Madduramma Temple
JD Halli , Bangalore-560010 Ph: 91 80 40494949, 23100524, 91 94484 74282**

**Hyderabad: #6-3-347/22/2, 1st floor,Aishwarya Nilayam , Near Saibaba Mandir
Dwarakapuri Coloney , Panjagutta,Hyderabad-500082
Ph:91 40 40040518, 23353654, 91 89789 93264**

learn@ismuniv.com www.ismuniv.com