

A

REPORT
ON
“WORKSHOP ON ARM” By

APTRON

Training • Development • Placement

A Unit of Netexperts Educational Services, New Delhi

An ISO 9001:2008 Certified Company

Delhi | Noida | Gwalior



POORNIMA
INSTITUTE OF ENGINEERING & TECHNOLOGY

Session 2016-2017

DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

Submitted to:

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Objective: ”Hands on ARM” :-

Today, ARM Processors are found in almost any domain like handheld devices, consumer electronics, robotics, automation, etc. Processors developed from ARM IP’s are used in embedded systems like smart TV’s, smart watches, smart phones, tablet computers, etc. Main aim of this workshop is to make the student’s skill full and efficient to work on ARM Processor and its use

Outlines of the workshop:

Day#1: 7 march, 2017

ARM ARCHITECTURE

- Introduction to ARM Architecture
- Harvard and Von-Neumann Architecture
- Block Diagram
- Functional Diagram

Day 2: 8 march,2017

REGISTER AND MEMORY OF ARM7TDMI

- Various types of memory
- ARM Register Set
- 32 bit CPU registers
- CPSR and SPSR register
- ARM Pipeline

Topics covered in Workshop:-

Following skills are to taught to students in a clear to understand lucid manner-

1. Basic of arm processor
2. CPSR and SPSR register
3. Harvard and Von-Neumann Architecture
4. ARM Pipeline

Feedback from Students: Students experienced a special hands on practice learning session through which they got a better understanding of arm processor. The session was effective for students as they learn the basic concept as well as the procedure to relate the use of processor to daily life use. The programs help very well to execute the problems. Overall the workshop has been useful.

Workshop Handouts: PPT and handouts were provided over mail.

Conclusion: The Department of Electronics & Communication Engineering of Poornima institute of Engineering & Technology, Jaipur has organized 2days workshop on “ARM” on 7th March & 8thMarch 2017 with the aim to provide hands on practice to the students on ARM . Mr.Rahul gupta (faculty of EC Branch) was the Coordinator of this workshop. The workshop was taken by APTRON company members .Around 50 students got benefited by this workshop.