

# Introduction of Computer Systems and Applications

Asadullah Shah

Imad Fakhri Taha Alshaikhli



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# INTRODUCTION OF COMPUTER SYSTEMS AND APPLICATIONS

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## Editors

Asadullah Shah

Imad Fakhri Taha Alshaikhli



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# 1. INTERNAL STRUCTURE OF COMPUTER SYSTEMS

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Asadullah Shah, Zeeshan Bhatti and Imad Fakhri Taha Alshaikhli  
Department of Computer Science, Faculty of Information and  
Communication Technology, International Islamic University Malaysia,  
Malaysia

## **Abstract**

The modern digital computers are designed to process, store, manipulate and transfer information from one component to another. The processor is treated as a brain of computer that computes and controls all mathematical and logical operations upon data. The storage media can storage data during execution of a program. The data from each of these parts that constitute systems is carried by the busses. These are simple wires that are arranged in sequentially or parallel to carry bit, either in sequential manner or simultaneously. In the chapter, the students of the course will be expose to the internal structure of the computer systems and many other components of the systems.

## **1.1 Introduction**

Computer system is made of various subsystems. Broadly this sub system further divided into hardware and software subsystem. Hardware is a set of subsystem those are devices that can physically touch such as hard disk, motherboard, printer, monitor, and so on. And the software are all programmes application operating system and utility programs that exist in a system but physically not touchable. In this chapter these both subsystems of computers is going to be describe and introduce to the student. To gain in basic understanding about the computer system.