

THE LEARN INSTITUTE



RAM: FUNDAMENTALS AND INSTALLATION

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BCS 312SS**

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Understanding and Installing RAM: A Training Report

Target Audience

Training sessions are oriented towards computer users who are looking to increasing the memory resources of their workstations. This segment can consist of personal computer users and computer support staff in a work environment.

Needs Analysis

Computer users are becoming increasingly sensitive on having a faster, more efficient workstation or PC. This requires them to keep their machines updated in order to function accordingly to their demands. As the functions of computer intensify and more tasks are fulfilled by them, the more the need for expansion of the systems that operate them.

Ever since the advent of modern computing, the roles of the PC and the workstation have grown several folds. So have the programs and applications that power today's powerful systems. Multi-tasking is a term that has become integrated in the computing field. In other words, we want systems that can do it all, from using several high-end applications simultaneously to just playing games.

Executing such powerful tasks would have drained previous computers of resources instantaneously. But now there is a growing need to accommodate all of these tasks concurrently. That need is addressed by simply increasing the resource of the system. By increasing the memory, or RAM (Random Access Memory), means of bridging that gap are provided. Increasing the RAM on a system can allow users to multi-task and not have to worry about encountering resource shortage problems.

Hence, PC end users and technical support staff in the workplace require instruction on how to install, maintain and differentiate the types of RAM needed to support bigger tasks on increasingly advanced systems.

Advantages of Training

Educating users to set up and distinguish between types of RAM enables them to efficiently fix minor dilemmas and save a lot of time and money.

Training Procedure

The training seminar shall open with a lecture addressing the fundamentals of RAM and its uses and then lead into the various types of RAM. There will be an interactive session during which installation requirements and procedures will be detailed and highlighted. This session will be delivered using a Microsoft PowerPoint slideshow.

Training Objectives

This seminar session is aimed at tutoring computer users of the importance of all RAM specifications and the installation do's and don'ts that are related with it. Towards the completion of the session, attendees may be able to address some basic issues, such as: -

- 1) What is Random Access Memory (RAM)?
- 2) How to distinguish between the different types of RAM?
- 3) What is the terminology in use regarding RAM?
- 4) What are the older and newer types of RAM?
- 5) What type of RAM do I require? How much do I need?
- 6) How do I install RAM and what do I need?

Session Synopsis

The training session will be comprised of one tutorial part and one interactive learning component. The tutorial will be divided into sections of lectures. It will open with Hassan introducing and explaining the fundamentals of RAM and the purposes served by it. Following this, Vannie will provide breakdown of the different types of RAM and what is required by different systems. The interactive component will require a quick exercise and demonstration of installation conducted by Andrew.

Seminar Equipment List

- 1) Forty (40) computers with Internet access and seating arrangements.
- 2) Computer with Microsoft PowerPoint installed on it.
- 3) Projector and slide screen to conduct slideshow presentation.
- 4) Motherboard and RAM module (for demonstration purposes).

Financial Analysis

The following is a table explaining and outlining the costs involved in conducting a training session.

<i>Object</i>	<i>Description</i>	<i>Cost</i>
<i>Seminar Hall Rental</i>	Containing 40 computers, projector and seating arrangements.	\$600.00
<i>Training Crew Expense</i>	Expense incurred from training crew remuneration.	\$300.00
<i>Demonstration Aids</i>	RAM module and motherboard demos	\$150.00
<i>Total Cost</i>		\$1,050.00

Figure 1 – Financial Analysis

Evaluation Form

Training Topic: **RAM- Fundamentals and Installation**

Presenters: **Vannie So, Andrew Li, Hassan Raza**

Evaluators: _____

Content

Please rate the presentation's content as per the following:

- 1) Very Useful
- 2) Useful
- 3) Somewhat helpful
- 4) Not Helpful
- 5) Useless

Please check one:

- Material covered contained good information.
- Information covered was too complicated.
- Content was too vague.
- Demonstration needed more emphasis

Please assign a numerical evaluation (out of 10) for content: _____

Instruction

Please rate the presenters' performance as per follows (check one):

- Well presented, or effective
- Could have done better
- Spoke too softly, hardly understood a word
- Badly presented

Please assign a numerical evaluation (out of 10) for Presenters: _____

Perceived Effect

Please check one:

- Now, I am familiar with types of RAM and can install it.
- I am not totally satisfied with the installation of RAM.
- Installing RAM is a lost cause for me.

Overall Rating

How would you rate this session overall:

- Excellent
- Very Good
- Good
- Fair
- Poor

Please assign an overall Performance numerical evaluation (out of 10):__