

# King Fahd University of Petroleum & Minerals

## Department of Accounting & MIS

### MIS 105- Introduction to Computer Applications

#### Lecture 10

Graphics  
Multimedia  
Web authoring  
Artificial Intelligence  
Virtual reality  
Expert systems  
Robotics

- Specialized programs used by graphic arts professionals
- Desktop publishing
- Paint programs
- Image editors
- Illustration programs
- Graphics suites
- Integration of variety of media

#### **Multimedia Presentation**

- Interactive multimedia presentation
- Series of related pages
- Links
- Connections to related information
- Buttons
- Special areas on a page
- Used for links and navigation
- Steps to develop a presentation
- Plan and analyze
- Design
- Use of story board
- Create
- Support
- Multimedia authoring programs
- Bring together media elements

## **Web Authoring**

- Creating a Web site
- Design
- Overall content
- Graphical map
- Use of programs
- Web authoring programs
- Web page editors
- Simulate human
- Senses
- Thought processes
- Actions
- Areas of computerized intelligence
- Virtual reality
- Knowledge-based systems
- Robotics
- Simulated reality generated in 3-D
- Virtual reality hardware
- Headgear
- Gloves
- Virtual reality modeling language (VRML)
- Web based 3-D applications
- Many possible applications
- Expert system
- Knowledge bases are databases that contain
- Specific facts
- Rules
- Fuzzy logic
- Respond to user interaction
- Natural language interface

## **Areas of Use**

- Medicine
- Geology
- Chemistry
- Military science
- Photography
- Mimic motor activities of living things
- Three types
- Perception systems
- Imitate senses
- Industrial
- Perform various tasks
- Mobile robots
- Transport

- Robots mimic emotions
- Saya robot
- Used for communication
- Program robots with set of values
- Make decisions independently