



الجمعية المصرية لتكنولوجيا التعليم



قسم تكنولوجيا التعليم

واقع ومستقبل توظيف تكنولوجيا نظم المعلومات الجغرافية GIS في التعليم والتعلم بالوطن العربي

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**مؤتمر المستجدات التكنولوجية وتطوير التعليم في الوطن العربي
المنعقد بقسم تكنولوجيا التعليم بكلية التربية جامعة المنصورة
بالمشاركة مع الجمعية المصرية لتكنولوجيا التعليم**

٩ - ١٠ مايو ٢٠٠٤

واقع ومستقبل توظيف تكنولوجيا نظم المعلومات الجغرافية **GIS**
في التعليم والتعلم بالوطن العربي

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Geographic Information Systems

Powerful Software

Active Hardware

GIS

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Automated Cartography

Spatial Data

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Extensive Analysis

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(Timothy, 1999)

Spatial Data

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(*William, 2001*)

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(*Merrill, 1996*)

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() *San Bernardino 2001*

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" *Congalton & Green*

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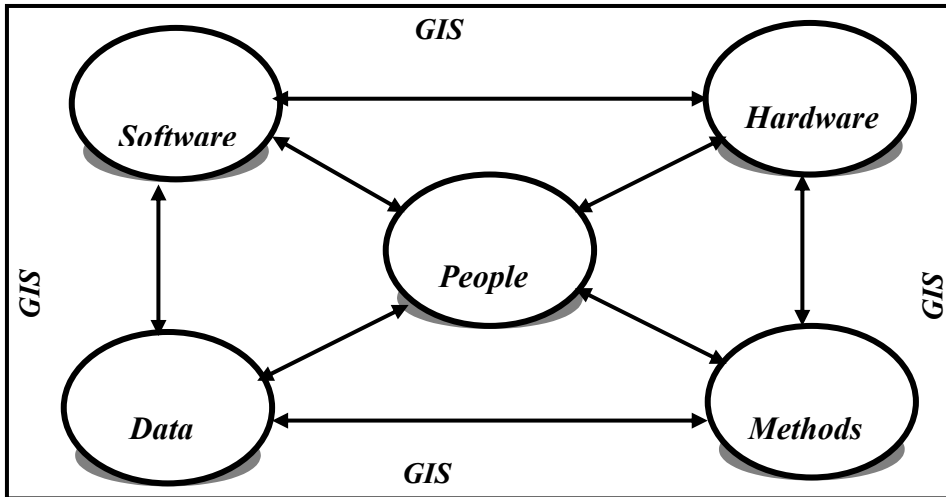
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: Hardware (())

GIS

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: Digitizer -

Vector

. GIS

Digital

: Scanner -

Aerial Photographs

. Raster

Remote Sensing

: *GPS* -

Global Position System

GPS ()

: *Digital Camera* -

. *GIS*

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: *Super Computers* -

: *Main Frame* -

: *Workstations* -

: *Personal Computer* -

CPU

. *GIS*

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: *Plotter* -

: *Printer* -

. *Laser*

Inkjet

Dot-Matrix

: *Monitors* -

: *Software* (())

GIS

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. (*WindowsY2K/NT*) *Operating System (OS)* ■

. (*CAD, Microstation*) *Graphic Software* ■

(*dBase, Oracle, Access*) *Database Software* ■

. (*SPSS, SAS, Minitab, Excel*) *Statistical packages* ■

(*Microsoft Word, Word Perfect*) *Word processing* ■

ERDAS Imagine *Image processing* ■

ER Mapper

Arc/Info, ArcView, MapInfo, Atlas *GIS systems* ■

Intergraph

GeoMdia

ESRI

. *Ms PowerPoint, Coral Draw* *Presentation* ■

: *Data & Information*

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Commercial Data Provider

GIS

: *People*

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: *Methods*

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. **Geo Spatial**

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: **GIS** :

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: **Multimedia / Hypermedia GIS** / -

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Hypermap

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: *Web GIS*

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Server

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: *Virtual Reality GIS*

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VRML

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: *Real Time GIS*

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Text Books

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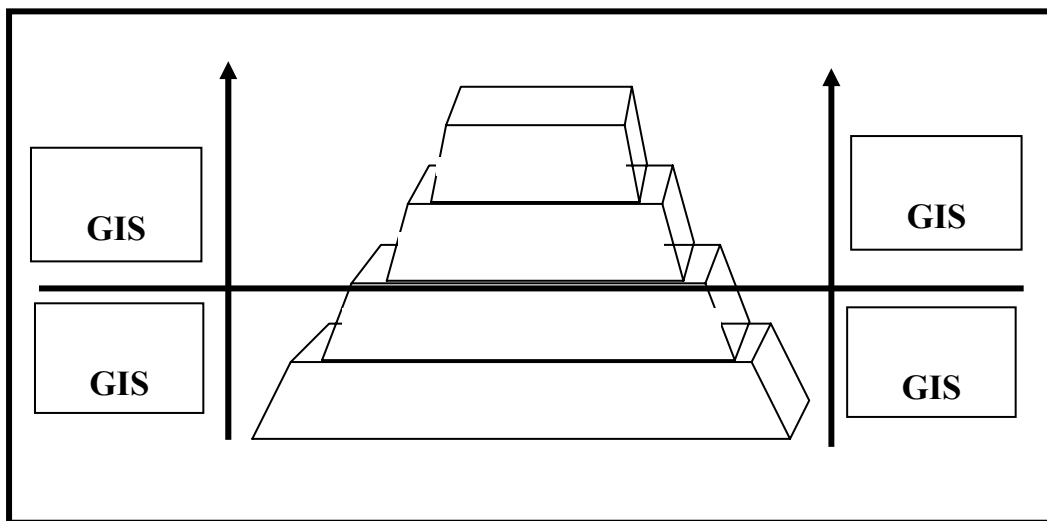
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: Learning About GIS Technology

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:Learning With GIS Technology

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Awareness

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) *Understanding* ()

) *Guided Practice* (

) *Implementation* (

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: One-Computer Classroom

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Large Monitor

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: Working in Groups

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: Working Solo

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: Working With Network

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Local Area Network

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<http://faculty.uaeu.ac.ae/~myagoub> :

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