
1- Aims:

a. Introduce a high-level of research to post-graduate information system students.
b. Provide an enriched information system research environment for post-graduate students in the information system department.
c. Include a variety of research in the information systems paradigm that can coop with the tremendous change in the society.
d. Help researchers to arrive into the innovation level.
e. Strengthen the relation between the society and information systems department through applications such as Bioinformatics, biodiversity, and GIS.
f. Establish a strong relation between the industry and the department.

2- Action:

Guided research toward the common problems in different specialties in information systems.

3- Time/Limits: 5 years plan 2012-2017

4- Research Directions:

a. Big data analytics.
b. Bioinformatics.
c. Biodiversity.
d. Database management including:
   - Distributed databases
   - Moving objects database
   - Multimedia database
   - Object-oriented databases
   - Scientific data management
   - Real-time data
   - Spatio-temporal databases
. Web databases
e. Data integration
f. Data mining
g. Data compression
h. Decision support systems
i. Design science research
j. Enterprise systems research
k. Geographical information systems
l. Information security
m. Information retrieval
n. Semantic Web
o. Social media information