



## ■ Nile University Profile

**NU's Vision** is to be a world-class, internationally recognized research University.

**NU's Mission** is to contribute to the development of the technology-driven economies of Egypt and the region through the pursuit of education and research at the highest levels of excellence.

This is accomplished by:

- Offering leading edge graduate and undergraduate programs and executive education.
- Carrying-out interdisciplinary research.
- Collaborating with distinguished international universities and research institutions.

Nile University is committed to a strong linkage with business and industry, and dedicated to serving the community.

### **The University's primary objectives are:**

- To establish a world-class graduate institution of higher education and interdisciplinary research
- To develop NU as an Integrated component of a Techno-polis to support capacity building in Egypt
- To graduate entrepreneurs and managers of technology for the dynamically changing global environment
- To improve competitiveness of Egyptian businesses by promoting applied research, technology start-ups and protection of intellectual property rights
- To contribute to the formulation of the national technology policy and agenda
- To create an environment for brain-circulation through mutual cooperation between members of the expatriate community, NU and local and international universities.

NU's core values are excellence, integrity and service to the community, with a commitment to diversity and respect for the individual.

## ■ Nile University Highlights :

### A. Undergraduate Programs Launched in 2009:

- Business Administration
  - Entrepreneurship & Small Business Management
  - Operation & Supply Chain Management
  - Management of Information Technology
  - General Business
- Computer Engineering
- Electronics & Communication Engineering
- Industrial & Service Engineering & Management

### B. Post-Graduate Academic Programs:

- Executive MBA
- Nanotechnology
- Transportation Systems
- Management of Technology
- Microelectronics System Design
- Construction Engineering & Management
- Communication & Information Technology:
  - General Track
  - Software Engineering
  - Wireless Technologies
  - Information Security

### C. NU's Research Centers:

- The Center for Informatics Science (CIS)
- The Center for Intelligent Transportation Systems (ITS)
- Competitiveness, Innovation & Entrepreneurship Center
- The Wireless Intelligent Networks Center (WINC)
- The Center for Nanotechnology (CNT)
- The Nanoelectronics Integrated Systems Center (NISC)

### D. Facilities:

- State-of- the-art IT infrastructure and computing facilities
- Wireless Sensor Networks lab
- Cooperative and Cognitive Communication lab
- Microelectronics Lab
- A state-of-the-art Campus built on 127 acres, containing all the academic, research, administration and service buildings. The first phase of the campus, currently

completed, consists of two educational buildings totaling 40,000 Sq. meters and a service building in addition to outdoor sports and recreational facilities.

#### E. Academic Collaborators and Strategic Partners:

- IESE Business School , University of Navarra, Spain
- University of Minnesota Technological Leadership Institute (TLI)
- University of Miami , Industrial Engineering
- International Association for Management of Technology (IAMOT)
- Carnegie Mellon Software Engineering Institute (SEI)
- Electrical & Computer Engineering (ECE), Institute of Sensor Systems (ISS), Ohio State University
- Imperial College of London, UK
- University of Central Florida (UCF)
- Northwestern University



#### F. International Research Collaborators and Strategic Partners:

- Microsoft
- Intel, USA
- Google
- Mentor Graphics
- InforSense
- IBM
- Silicon Vision
- Philips
- Alcatel – Lucent's Bell Labs
- Orange
- General Motors



#### G. Conferences:

As a believer in the role of the university in the creation and dissemination of knowledge and exchange of expertise on an international level, Nile University has organized and hosted three major international conferences:

- NU held a Conference on "Wireless Intelligent Networks" on April 13<sup>th</sup> 2008, hosting 16 prominent international speakers from several countries and over 550 participants from academia and business.
- NU hosted an International Conference on Intelligent Transportation Systems (ITS) entitled: "Applications of ITS to Meet Egypt's Transportation Needs in the 21st Century" on March 16<sup>th</sup>, 2009. Over two hundred participants from private and public entities, attended. The Conference hosted 6 international guest speakers from the United States, China and France as well as several renowned Egyptian experts.

- NU hosted and organized the 19<sup>th</sup> International Conference on Management of Technology (IAMOT 2010), entitled “Technology as the Foundation for Economic Growth” on March 8-11<sup>th</sup>, 2010. 400 participants operating in the field from over 45 countries around the globe took part in the Conference. Over 400 research papers were submitted, with around 300 specialized presentations held.

#### H. Workshops and Seminars

One of Nile University's main objectives is servicing the community and "Creating a Learning Culture". In this context, Nile University held several workshops hosting prominent industry and academic figures. Among these workshops:

- Wireless open access research platform workshop.
- Wireless Sensor networks workshop.
- A joint international workshop with Seoul University and the Information and Communication University of Korea under the title of "ICT policy Management: A New Paradigm in the Globalization Era".
- The "Fifth RaMSiS Summer School" in cooperation with the RaMSiS Group (Radio and Mixed Signal Integrated Systems) of the Swedish Royal Institute of Technology (KTH).
- The "9th International Workshop on Multiple Classifier Systems" (MCS 2010).
- The "4th IAPR TC3 Workshop on Artificial Neural Networks in Pattern Recognition" (ANNPR 2010).
- "High Performance Computing in Egypt", LINKSCEEM User Meeting
- NU - El Sawy Culturewheel "Who Wants to Be an Entrepreneur?" session
- NU – Google Cloud Computing Workshop
- Professor Willy Sansen "Advanced Analog IC Design" Course
- NU - Harvard "Cloud Computing & Personalized Medicine" Workshops

NU has also launched more than 15 seminars for the industry, the business community and academics from different Egyptian universities, touching upon, and opening debate in timely issues such as “Petroleum and Alternative Energy: Present & Future” presented in Arabic by H.E. Sheikh Ahmed Zaki Yammani, Ex. Saudi Arabian Minister of Oil and founder of the Centre for Global Energy Studies, "Innovation for Growth: The 3M Experience” presented by Dr. Lockwood Carlson" from 3M, "The Languages of Influence: from Politics to Business" presented by Dr. Brian Leggett from IESE Business School and the "Global Outlook : Where's the World Economy Heading" presented by Professor Pedro Videla from IESE Business School.