

# NILE UNIVERSITY

NU is the first research, Non Profit “Ahleya” university in Egypt . It was inaugurated in 2007 as a world-class, internationally recognized education and research University.

## Nile University is seeking to hire:

### Full-time Research Assistants (RAs) Fall 19

**NISC** The Nano-electronics Integrated System Design of Nile University is a research center that was established in 2008. Our mission is to contribute to the development of human resources, knowledge, and technology essential for Egypt and the region, to secure a share in the fast-growing global electronics industry and economy. NISC hosts about 7 research assistants, fully supported by research grants. NISC adopts the view that the training of students is a joint endeavor between the center and industry. It is fundamental that the curriculum, research, and development efforts are done in close contact with industry to meet their needs. In addition, NISC will work on matching each student to a company during his study and training. Internships and industrial sabbaticals are two main vehicles that will be used to maintain a close relation with industry. Many companies are already part of NISC’s vision and have close relations with and vested interest in NISC. One major example is Intel which partnered with NISC to prepare the critical mass of suitably trained personnel. Intel has provided NISC with a large number of internships in the USA for students and personnel in the center as well as many fellowships and equipment donations. In addition, a similar major relation is in the making with Mentor Graphics. Many other companies/research institutes have provided NISC with fellowships and/or internships and some equipment or are in the process of developing such relations.

The accepted applicants will study towards their M.Sc. degree in Microelectronics System Design (MSD) at NU with a fully paid scholarship and be paid a salary that is competitive with the market. The RAs will perform research in state of the art Nano-electronics Integrated System topics, such as design of digital integrated systems, modeling of electronic circuits and systems, embedded systems design, very large scale integrated systems, analog signal processing, RF integrated circuits and systems, memristor based circuits and systems, fractional order circuits and systems design, and novel applications along the university’s commitment to national priority areas. RA positions are valid for 2 years.

#### **Job requirements:**

- ✓ B.Sc. degree in electronics engineering or equivalent degree.
- ✓ Excellent command of English (written, spoken).
- ✓ Familiar with CAD tools such as Cadence, Matlab, VHDL, LabVIEW.
- ✓ PCB design, fabrication, FPGA, and ASIC design will be a plus.

**Review of applications will begin immediately.**

For more information visit: [nisc.nu.edu.eg](http://nisc.nu.edu.eg)

You can apply online at NU website: [www.nu.edu.eg](http://www.nu.edu.eg)

Also, please send a copy of your CV to [LDemerdash@nu.edu.eg](mailto:LDemerdash@nu.edu.eg)