Knowledge & Technology Alliance, Upgrading Egyptian Manufacturing from Embedded Systems to Cyber-Physical Systems (Smart Factory EG-KTA), team at NU invites motivated graduates to apply for Research Assistant Positions at Nile University in the area of Smart Rapid Prototyping. This project aims to develope an ecosystem for Smart Rapid Prototyping (SmaRP) in Egypt. This system enables manufacturers and individuals to develop quickly and inexpensively rough prototypes for new products and components, in addition to facilitating low-volume manufacturing, where full-size production-line development is neither practical nor economical. The Smart Factory EG-KTA project involves collaboration of researchers, experts in their fields, pooling their talents to target this important area of industrial importance. Project consortium includes, Cairo University, Nile University, National Telecommunication Institute (ITI), Arab Academy for Science, Technology and Maritime Transport (AASTMT), German University in Cairo (GUC), InnoVision Systems, MENA Robotics and Fabrication Laboratory Egypt (Fab Lab). These partners have complementary experience in the design and implementation of innovative sensor and actuator technologies, flexible manufacturing systems, robotics and automation, big data, cloud computing, cybernetic systems and telematics.

ABOUT NU

Nile University (NU) is a world class research institution of learning committed to excellence in education and research. NU was officially inaugurated in January 2007. Nile University is a national (Ahleya), non-governmental and non-profit university and a leader in technology and business education in Egypt and centers are designed to address critical areas of vital importance to the economic growth and prosperity of the people of Egypt and the region and to engage in cutting edge research.

JOB REQUIREMENTS

- **Logistics 4.0:**
  Successful candidates must hold a B.Sc. in Computer Engineering, Computer Science, or similar fields, with a strong interest in query processing, data structures, matching algorithms, combinatorial optimization and mobile applications research and development, and has a good level in both written and spoken English.

- **Cloud Computing:**
  Successful candidates must hold a B.Sc. in Computer Engineering, Computer Science, or similar fields, with a strong interest in cloud computing, service -oriented architectures, interoperability and accessibility protocols and distributed systems research and development, and has a good level in both written and spoken English.

MSD GRADUATES

- Nile University

Nile University Campus - Juhayna, Square on 26th of July Corridor, Sheikh Zayed, Giza.

Postal Code: 12588

Hot Line: 16453

Admission: 3854(1811) / (1810)

Registrar: 3854(1813) / (1812)

Research Assistant Positions in the area of smart Factories

- **Additive Manufacturing:**
  Successful candidates must hold a B.Sc. in Mechatronics, Production Engineering, Industrial Engineering, or similar fields, with a strong interest in industrial 3D printing, material handling process, machine setup, industrial communication research and development, and has a good level in both written and spoken English.

- **Embedded systems:**
  Successful candidates must hold a B.Sc. in Electronics Engineering, with strong interest in embedded systems, microcontrollers, computer hardware interface and FPGA, and has a good level in both written and spoken English.

- **Electronics Engineer:**
  Successful candidates must hold a B.Sc. in Electronics Engineering, with strong interest in ASIC, VLSI, and has a good level in both written and spoken English.

The accepted applicants will study towards their M.Sc. degree in smart rapid prototyping systems at NU with a fully paid scholarship, and monthly stipend competitive with the market. The RAs will perform research in state of the art smart factory, smart rapid prototyping, additive manufacturing and cloud computing. RA positions are valid for two years.

PLEASE NOTE THAT

1. Review of applications will begin immediately. Application forms can be found at NU website: www.nu.edu.eg. To apply visit Admissin Website. then send a filled application (provided by the names and contact details of two referees), CV and a personal statement to admission@nu.edu.eg and amadian@nu.edu.eg.
2. You are not required to take the English exam before you apply If you get accepted, you can take the exam any time before the end of September 2016.

All NU masters' degrees are accredited by the supreme council of universities

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