

I. Vacancy: Ph.D. Student and Teaching Assistant Position in Embedded Systems and Robotics Engineering

Category: Graduate Research and Teaching Assistant Positions, Faculty of Engineering.

Type: Full-Time.

Location: Université Française d'Égypte, Shorouk City, Cairo.

About Université Française d'Égypte

Université Française d'Égypte (UFE) is a national (Ahleya), non-profit university offering multidisciplinary education and research under the joint supervision of the Egyptian and French Ministries of Higher Education. Established in 2002 and strengthened by an intergovernmental agreement in 2019, UFE provides English-taught and French-taught programs, blending French academic excellence with global standards.

As part of our continuous expansion, we are seeking exceptional Ph.D. students to join our team in the Faculty of Engineering to support our Embedded Systems and Robotics Engineering program.

About the Position

Université Française d'Égypte invites applications for a Ph.D. position in Embedded Systems and Robotics within the Faculty of Engineering. The selected candidate will contribute to cutting-edge research in embedded systems, robotics and autonomous systems while working closely with faculty members and industry partners for research and teaching activities.

Research Areas (include, but not limited to)

- Embedded AI and Edge Computing.
- Robotics, IoT and Autonomous Systems.
- Low-Power and FPGA-Based Embedded Systems
- Real-Time Systems and VLSI Design.
- Social-impact applications related to sustainable development goals or people with special needs and disabilities.

Key Responsibilities

- Conduct innovative research in Embedded Systems and Robotics under faculty supervision.
- Publish research findings in high-impact journals and conferences.
- Assist in teaching courses and mentoring undergraduate students.
- Collaborate on funded research projects with academic and industry partners.
- Participate in research seminars, workshops, community outreach and university service activities.

Required Qualifications

- A master's degree in Computer Engineering, Embedded Systems, Robotics or a related field.
- Strong background in microcontrollers, FPGA programming, and real-time operating systems (RTOS).
- Proficiency in C, C++, MATLAB, and Python for embedded applications.
- Experience with research projects and scientific writing.
- Prior publications in highly-impact conferences or journals.
- Excellent problem-solving and analytical skills.
- Fluent English language, with excellent verbal and communication skills.
- Familiarity with French language is a plus.
- Hands-on experience with sensor networks, automotive systems, or biomedical devices is a plus.
- Knowledge of AI applications in embedded hardware is a plus.
- Prior involvement in social-impact applications related to sustainable development goals is a plus.

Funding & Benefits

- Funded Ph.D. position.
- Access to advanced embedded labs and state-of-the-art facilities.
- Collaboration opportunities with leading international researchers and industry experts.
- Potential for international research visits and conference travel grants.
- Opportunity for industry collaboration and funded research projects.

Application Process for Position

Interested candidates should submit the following documents electronically:

1. Cover letter, explaining your research interests and motivation for pursuing a Ph.D.
2. Curriculum Vitae (CV), including academic background, projects, and publications.
3. Research Statement, outlining your proposed area of study.
4. At least two letters of Recommendation from academic advisors or research supervisors.
5. Any supporting materials (awards, research projects, coding portfolios, etc.)

Interested applicants should send applications to: cv@ufe.edu.eg and sherin.moussa@ufe.edu.eg

Email subject title: Ph.D. Student in Embedded Systems and Robotics.

Application deadline: **August 31, 2025.**