KIOS Research and Innovation Center of Excellence

Spring Call 2023-2024

Part-time Internship Positions

for University Students

The *KIOS Research and Innovation Center of Excellence (KIOS CoE)* (www.kios.ucy.ac.cy/) has launched the "**KIOS Internships**" initiative, aimed to provide valuable work experience to undergraduate and postgraduate university students.

This Call of the KIOS Internships program will give the opportunity to undergraduate and postgraduate students of universities in Cyprus or abroad to work at the KIOS CoE, which is the largest research center of the University of Cyprus and it currently employs more than 180 researchers. The KIOS CoE provides an inspiring environment for carrying out top-level Research and Development in the area of Information Communication Technologies (ICT), with emphasis on the Monitoring, Control, Management and Security of Critical Infrastructures, including power and energy systems, water, transportation and telecommunication networks, healthcare systems, as well as systems for emergency management and response. The Center is involved in several research and innovation projects funded by various European and national funding agencies, as well as projects funded by the industry.

Duties

Selected students will work on a specific project with the guidance of an experienced team of KIOS CoE researchers. Their work will be related to one of the following topics:

Title	Indicative task description	Required skills
Research	Conduct research in the areas of monitoring, control, management and security of Intelligent Critical Infrastructure Systems, which include large-scale, complex systems such as power and energy systems, water networks, transportation networks, telecommunication networks, healthcare systems and emergency management and response systems.	Strong academic record and at least 2 years of BSc in Science or Engineering degree completed.
Programming	Developing applications and modules to support industrial and research projects (e.g., algorithm implementation, web applications, mobile apps, GIS tools, embedded systems, drones, game design, MATLAB Toolboxes, IoT etc.)	Good knowledge of Python or Java or C/C++ or MATLAB or web frameworks.
Data collection and processing	Collection of data from various open sources, statistical data analysis, market and business analysis, preparation of dashboards, preparation of reports and presentations.	Good knowledge of Microsoft Word and Excel. Excellent knowledge of English. Optional knowledge of Power BI. Optional knowledge of tools for statistical analysis (MATLAB, R, etc.)

| Development of communication and educational material | Writing/preparing articles for the KIOS projects or creating multimedia content (e.g., presentations, videos), or preparing educational and training material and demos for students. | Good knowledge of Microsoft Word, and PowerPoint.
Excellent Knowledge of Greek and English.
Optional knowledge of tools for multimedia editing, game creation, etc. |
| Digital innovation | Supporting the digital maturity assessment process and evaluation of KIOS partners. Supporting project deliverables, including sustainability studies on "test before invest" actions, production of related training material and drafting related processes and procedures. | Business administration studies/ MBA
Excellent knowledge of Greek and English
Optional project management skills |

Employment Terms

Students will have the opportunity to be employed for an initial period of 3 months, which can be renewed for a longer period depending on the student's performance and availability, as well as the needs of each project. This period of employment will be a trial period.

Students will be allocated space to work, and are required to have a physical presence at KIOS CoE during their work hours. The selected candidates are expected to start their internship placement on June 4, 2024 (for those interested in a summer internship) or on September 2, 2024 (for those interested to work during the Fall Semester 2024).

The employment status will be part-time with a maximum working time of 20 hours per week during the academic year of the University of Cyprus and 35 hours per week during the holiday periods at the University of Cyprus, with gross salary 5.935 €/hour. Various contributions (social insurance, etc.) will be deducted from the gross salary, in accordance with the existing legislation.

How to apply

KIOS CoE accepts applications by undergraduate and postgraduate students of universities in Cyprus or abroad, irrespective of their area of studies.

Applications must be completed through the https://applications.ucy.ac.cy/recruitment/ and selecting the "**KIOS Internships Spring Call 2023-2024**".

The applications must include the following items:

- The latest degree transcript

- Letter of expression of interest, in which the following topics are covered, if applicable:

    o Reason to apply to KIOS CoE and expectations of the position

    o Previous knowledge of programming languages and specific examples of projects (personal or as part of coursework)

    o Awards and other achievements

    o Other work/volunteering experience/extra-curriculum activities (it does not have to be relevant to the position)

Deadline for applications: 22 March 2024 17:00

Applications will be reviewed shortly after the application deadline and candidates may be called for an interview at KIOS CoE.