

## Job Description

<b>Job title</b>	<i>Research Engineer I</i>
<b>Supervisor- once-removed</b>	<i>Academic Faculty</i>
<b>Reports to</b>	<i>Technical Project Coordinator / ICT Team Leader</i>
<b>Position Type</b>	<i>Full-time</i>

### Job purpose

Conduct Research and Development activities within the context of Research and Innovation, as well as provide technical and research support in the area of Information and Communication Technologies with emphasis on the Monitoring, Control and Security of Critical Infrastructure Systems, in order for the Center to achieve its strategic objectives.

### Duties and responsibilities

Description	Time allocation (%)
Provide technical and research support for KIOS CoE projects <ul style="list-style-type: none"> <li>▪ Design and implement software and hardware modules, tools and systems</li> <li>▪ Prepare manuals and guidelines</li> <li>▪ Perform installations, set-up and deployment of hardware and software</li> <li>▪ Attend meetings with project stakeholders</li> <li>▪ Implement processes and algorithms</li> <li>▪ Review and maintain of existing modules, tools and systems</li> </ul>	60 – 80
Assist in the preparation of reports and project deliverables	10 – 25
Assist in the publications and/or proposals for funding	
Attend training programs, seminars, competitions and other KIOS educational and networking activities, for further personal and professional development	10 – 20
Assist in KIOS CoE dissemination activities	0 – 5
Present periodically to KIOS personnel the progress of your work	0 – 5

*\*Note: the allocation of time on duties and responsibilities may change upon agreement with the Supervisor*

### Qualifications and Education Requirements

- Bachelor's and/or Master's Degree in Science or Technology or Engineering or Mathematics (STEM) or a related field from an accredited institution.

## Knowledge

- Engineering and Technology: very good knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services **and/or**
- Mathematics and Science: very good knowledge of the theories, methods, and applications of mathematics and/or geography for research and other applications **and/or**
- Information and Communication Technologies: very good knowledge in technical fields used to handle digital information and communication **and**
- English language: very good knowledge of the English language.

## Skills

*Note: Skills are learned behaviors that can be acquired through training and are necessary in order to be able to carry out one or more job functions. Skills can be developed and improved over time, by combining abilities and knowledge. All skills listed below are important; the categorization was based on the job analysis procedure and provides a better understanding of what this position requires.*

<b>Description</b>	<b>Importance (*)</b>
Technical: practical skills and knowledge needed to perform specific mechanical, information technology, mathematical or scientific tasks	*****
Analytical: collect and analyze information, solve problems and make decisions	*****
Team-working: the process of working collaboratively with a group of people in order to achieve a goal	****
Self-Management: take responsibility of your own behavior and make your own contribution	***
Communication & Interpersonal: convey or share information, ideas and feelings effectively	***
Organizational: organize and manage your time, energy and resources in an effective way for achieving goals and objectives	***

*\*Where 5 stars: essential, 4 stars: extremely important and 3 stars: very important*

## Abilities

*Note: Abilities are natural or inbuilt, can be improved and they are essential for the development of a skill. All abilities listed below are important; the categorization was based on the job analysis procedure and provides a better understanding of what this position requires.*

<b>Description</b>	<b>Importance (*)</b>
Critical Thinking – using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems	*****

Self-discipline – the ability to focus on completing the tasks effectively and efficiently without external stimulus	*****
Complex problem solving – identifying complex problems and reviewing related information to develop and evaluate options and implement solutions	****
Dependability – the quality of being reliable and trustworthy	****
Initiative – ability to evaluate, select and act on various methods and strategies for solving problems and meeting objectives without being asked or required to do so	***
Self-motivation – the drive to initiate and complete what needs to be done without external stimulus from other people or situations	***
Attention to detail – the ability to achieve thoroughness and accuracy when accomplishing a task	***
Creativity, innovation and originality – the capability or act of conceiving and implement something new or/and unique	***
Work under pressure – the ability to respond and perform effectively when put under stressful situations	***
Professionalism – the ability to demonstrate a commitment to carrying out responsibilities and an adherence to ethical principles	***

*\*Where 5 stars: essential, 4 stars: extremely important and 3 stars: very important*

### **Additional Notes (if any)**

No additional notes.

### **Direct reports**

No direct reports.

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<b>Approved by:</b>	<i>Executive Committee</i>
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