

**INESC TEC | Research Initiation Grant (AE2025-0091)**  
**INESC TEC**

Direct Link: <https://www.AcademicKeys.com/r?job=253416>

Downloaded On: Apr. 7, 2025 9:02am

Posted Feb. 18, 2025, set to expire Jun. 20, 2025

<b>Job Title</b>	INESC TEC   Research Initiation Grant (AE2025-0091)
<b>Department</b>	CRIIS
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Feb. 18, 2025
<b>Application Deadline</b>	Feb. 28, 2025
<b>Position Start Date</b>	Feb. 17, 2025
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Engineering - Other
<b>Apply Online Here</b>	<a href="https://www.inesctec.pt/en/form/notice/5328">https://www.inesctec.pt/en/form/notice/5328</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Research Opportunities

**Locomotion Robotics**

**Work description**

1. Bibliographical review / survey of the state of the art in the area of mobile robotics solutions for intralogistics and industrial inspection, focusing on the use of robots with legs;
2. Specification of an architecture for a quadruped robot to inspect industrial facilities or internal logistics of small products;

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3. Definition of a scenario for testing in iiLab;
4. Installation of the necessary sensors and actuators on the robot to carry out intralogistics and inspection tasks;
5. Development of an application to configure the task to be performed by the robot;
6. Carrying out functional tests on the developed system.

### Academic Qualifications

- Enrollment in an Electrical Engineering course or related areas.

### Minimum profile required

- Enrollment in an Electrical Engineering course or related areas.

### Preference factors

- Programming knowledge in C/C++ and Python ROS.
- Knowledge of locomotion robotics.

**Maintenance stipend:** € 601,12, according to the table of monthly maintenance stipend for FCT grants, paid via bank transfer. Grant holders may be awarded potential supplements, according to a quarterly evaluation process (Articles 19, 21 and 22 of the Regulations for Grants of INESC TEC and Annex II), up to a maximum limit of 50% of the monthly maintenance stipend.

INESC TEC supports costs with registration, enrolment or tuition fees, during the grant duration, under the terms established in the internal document: "Payment of Tuition fees to grant holders".

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The grant holder will benefit from health insurance, supported by INESC TEC.

### Application Period

Since 17 Feb 2025 to 28 Feb 2025

### Centre

Robotics in Industry and Intelligent Systems

### Scientific Advisor

[Manuel Santos Silva](#)

### What we offer

- **Multicultural and collaborative environment**
- A multicultural, international and collaborative environment that makes it easier to exchange ideas, work in networks and create synergies.
- **International projects**
- The possibility of working in international projects with some of the most important companies in the field.
- **Mentoring**
- Mentoring with the best researchers in the fields of electrical and industrial engineering, bioengineering, information technology and physics.
- **Self Improvement**
- The possibility of participating in international conferences, workshops, seminars and vocational training.
- **Other Benefits and Perks**
- Flexible working time, health insurance, discounts in hotels, transportation, etc.
- **Informal Events**

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- Annual informal events, such as the multicultural party.

For more information: [Click Here](#)

### Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

#### Contact

Portugal

**Contact E-mail**    rh@inesctec.pt