

**INESC TEC | Research Initiation Grant (AE2024-0155)**  
**INESC TEC**

Direct Link: <https://www.AcademicKeys.com/r?job=234926>

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Posted Apr. 19, 2024, set to expire Aug. 19, 2024

<b>Job Title</b>	INESC TEC   Research Initiation Grant (AE2024-0155)
<b>Department</b>	CRIIS
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Apr. 19, 2024
<b>Application Deadline</b>	May 3, 2024
<b>Position Start Date</b>	Apr. 18, 2024
<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/4854">https://www.inesctec.pt/en/form/notice/4854</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Research Opportunity

**Computer vision systems**

**Work description**

- Preliminary studies on computer vision systems for external referencing of industrial robots;
- Study of artificial vision and AI solutions for detecting object characteristics and adjusting the robot trajectory;
- Implementation and testing of the developed algorithms in a laboratory environment;
- Write the scholarship activity report;

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### Academic Qualifications

Master's student in Electrical and Computer Engineering and related areas.

### Minimum profile required

- Knowledge in programming (C, C++, Python languages) and development of artificial vision and AI solutions applied to robotics.
- Experience in the ROS Framework.
- Knowledge of CAD design software (example: solidworks, Fusion360, among others).

### Preference factors

Previous participation in extracurricular and extension activities/training related to automation/robotics and/or computer vision and AI

**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.

### Application Period

Since 18 Apr 2024 to 03 May 2024

### Centre

Robotics in Industry and Intelligent Systems

### Scientific Advisor

Luís Freitas Rocha

For more information: [Click Here](#)

### Contact Information

Please reference Academickeys in your cover letter when

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applying for or inquiring about this job announcement.

**Contact**

Portugal

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