Job Title	INESC TEC	Research Initiation Grant (AE2025-0267)
Department	CPES
Institution	INESC TEC
	PORTO, , Portugal
Date Posted	Jul. 7, 2025
Application Deadline	Jul. 17, 2025
Position Start Date	Jul. 4, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Apply By Email	
Job Description	

Research Opportunities

Engineering

Work description

- Contextualization and review of previously developed documentation regarding the device.
- Study of communication protocols and related open-source libraries.
- Development of software components for data integration and conversion.
- Execution of integration, interoperability, and functional validation tests.

- Support in the development of communication interfaces and auxiliary tools for monitoring and control.

Academic Qualifications

- Academic background in Computer Engineering or Electrical Engineering.

Minimum profile required

- Be enrolled in a higher education program in Computer Engineering, Electrical Engineering, or related fields.
- Ability to use basic computer tools (spreadsheets, documents, web systems).
- Knowledge of programming languages such as Python and/or C/C++.
- Communication and organizational skills.

Preference factors

- Interest in embedded systems programming.
- Practical knowledge or familiarity with programming languages such as Python and/or C/C++.
- Interest in automation systems, device integration, and industrial communication protocols (e.g., Modbus, CAN, MQTT, etc.).
- Analytical and problem-solving skills in technical and multidisciplinary environments.
- Proactivity, autonomy, and willingness to learn new technologies in an R&D lab setting.

Maintenance stipend: € 651.12, 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".

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

Application Period

Since 04 Jul 2025 to 17 Jul 2025

Centre

Power and Energy Systems

Scientific Advisor

Pedro Pascoal

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**
- 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

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