

INESC TEC | Research Grant (AE2025-0263) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=258799>

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Posted Jun. 27, 2025, set to expire Oct. 27, 2025

Job Title	INESC TEC Research Grant (AE2025-0263)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	Jun. 27, 2025
Application Deadline	Jul. 11, 2025
Position Start Date	Jun. 27, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other Energy Technology
Apply Online Here	https://www.inesctec.pt/en/form/notice/5504
Apply By Email	
Job Description	

Research Opportunities

Power Systems

Work description

- Analyze the current prototype of the air quality meter.
- Review the electronic circuit used in the meter.
- Update the control code of the meter.
- Enhance the existing communication system.

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- Create an intuitive dashboard for data presentation.
- Develop a new case for the meter.

Academic Qualifications

- Electrical Engineering.

Minimum profile required

- Experience using microcontrollers such as Arduino and/or Raspberry Pi.
- Practical knowledge of sensors for measuring environmental variables such as temperature, humidity, gases, and particles.
- Experience with communication protocols.
- Knowledge in CAD design.
- Experience with 3D printing and CNC.

Preference factors

- Knowledge in IoT concepts.
- Integration capacity of HW and SW for sensors.
- Experience with communication protocols like MQTT.
- Familiarity with development and debugging tools.
- Fluency in English (spoken and written).

Maintenance stipend: € 1040.98, 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

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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 27 Jun 2025 to 11 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.

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- **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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Computadores, Tecnologia E Ciência
Portugal

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