

INESC TEC | Research Grant (AE2025-0187) INESC TEC

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Posted May 5, 2025, set to expire Sep. 4, 2025

Job Title	INESC TEC Research Grant (AE2025-0187)
Department	CTM
Institution	INESC TEC PORTO, , Portugal
Date Posted	May 5, 2025
Application Deadline	May 15, 2025
Position Start Date	May 2, 2025
Job Categories	Graduate Student
Academic Field(s)	Electrical and/or Electronics Computer Engineering Engineering - Other
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Apply By Email	
Job Description	

Research Opportunities

Engineering

Work description

- Study and implement a distributed architecture to support the execution of MLLMs.
- Propose solutions to evaluate trade-offs between computation, communication, and latency.
- Study the state of the art in MLLMs applicable to the task of analyzing industrial machine

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operations.

- Develop and optimize the computer vision pipeline.
- Create a performance evaluation system for the models.
- Document the developed solutions.

Academic Qualifications

- Degree in Informatics, Electrical and Computer Engineering, Computer Science or similar.

Minimum profile required

- Programming experience (Python, Go, others).

Preference factors

- Experience in machine learning models, image processing, computer vision or machine learning, and particularly MLLMs, OR Experience in distributed systems and distributed workload management systems.
- Previous research experience.
- Knowledge of the state of the art in the topics mentioned in this call.

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 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 02 May 2025 to 15 May 2025

Centre

Telecommunications and Multimedia

Scientific Advisor

[Nuno Alexandre Pereira](#)

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**

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- 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

Portugal

Contact E-mail rh@inesctec.pt