

INESC TEC | Research Grant (AE2025-0015) INESC TEC

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Posted Jan. 24, 2025, set to expire May 26, 2025

Job Title	INESC TEC Research Grant (AE2025-0015)
Department	CESE
Institution	INESC TEC PORTO, , Portugal
Date Posted	Jan. 24, 2025
Application Deadline	Feb. 5, 2025
Position Start Date	Jan. 23, 2025
Job Categories	Graduate Student
Academic Field(s)	Computer Engineering Engineering - Other
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Job Description	

Research Opportunities

Artificial Intelligence; Information Management

Work description

The training area of the scholarship is Artificial Intelligence, with a focus on the study of NLP and Generative AI techniques and their potential to improve the processes of analysing and specifying industrial information systems. This involves the study of datasets, models (including multi-modal models) and benchmarks that make it possible to optimise some of the tasks involved, such as drawing

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or interpreting diagrams, or generating, interpreting or using text (e.g. semantic search, summarisation, explanation). Specifically, the main activities to be carried out by the grant holder are:

- Systematically analysing and characterising the typical structure and content of the technical documentation to be used as input.
- Analysing and specifying requirements to support the development of a RAG (Retrieval Augmented Generation) tool that meets the needs of process owners, ERP or MES system implementers and other stakeholders.
- Carry out a survey and characterisation of potential support technologies, enabling informed decisions to be made on the development of the tool.
- Collaborating in the development and validation of the tool developed in a real-world scenario.
- Collaborate in the writing of technical-scientific documents and the writing of the scholarship activity report.

Academic Qualifications

- Degree in computer engineering or related field;

Minimum profile required

- Degree average of over 12.

Preference factors

- Experience in using NLP tools and approaches.
- Experience in software development (backend/frontend).

Maintenance stipend: € 990,98, 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.

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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 23 Jan 2025 to 05 Feb 2025

Centre

Enterprise Systems Engineering

Scientific Advisor

[Davide Rua Carneiro](#)

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.
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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.
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- Annual informal events, such as the multicultural party.

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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