

INESC TEC | Research Grant (AE2025-0005)
INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=251772>

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Posted Jan. 16, 2025, set to expire May 18, 2025

Job Title	INESC TEC Research Grant (AE2025-0005)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	Jan. 16, 2025
Application Deadline	Feb. 16, 2025
Position Start Date	Jan. 16, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Job Description	

Research Opportunities

Power Systems - Digitalization in energy local ecosystems and energy management tools

Work description

- Identify technical requirements for the development and integration of digital micro services.
- Build on previous project developments for the creating of micro services in digital environments.
- Integrate LLMs and other tools, such as text-to-speech, for the precise and reliable interpretation of graphics, minimizing effects such as hallucinations.
- Develop knowledge and understand the effective added value of digital technologies and energy

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flexibility for local energy ecosystems.

- Write the grant activity report.

Minimum profile required

- Student of Computer Engineering, Computer Scientist, data science or similar areas.
- Fluency in Portuguese (written and spoken).
- Fluency in English (written and spoken).
- Experience with Python, with experience in libraries such as Pandas, NumPy, Matplotlib, and SciPy.

Preference factors

- Knowledge of Backend development.
- Knowledge of RESTful APIS, such as Flask or FastAPI.
- Knowledge of Docker for containerization.
- Knowledge of Kubernetes.
- Knowledge of AI models, namely LLMs such as OpenAI GPT and LLaMA 3.
- Knowledge of micro service development, integration and deployment.

Maintenance stipend: € 990,98 or 1259,64, 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.

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Application Period

Since 16 Jan 2025 to 16 Feb 2025

Centre

Power and Energy Systems

Scientific Advisor

[Alexandre Lucas](#)

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.

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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