INESC TEC | Research Initiation Grant (AE2025-0127)
INESC TEC

Job Title	INESC TEC | Research Initiation Grant (AE2025-0127)
Department	CPES
Institution	INESC TEC
	PORTO, , Portugal
Date Posted	Mar. 17, 2025
Application Deadline	Apr. 13, 2025
Position Start Date	Mar. 13, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
	Computer Engineering
Apply Online Here	https://www.inesctec.pt/en/form/notice/5374
Apply By Email	
Job Description	

Research Opportunities

Computer Engineering

Work description

1. Research the state of the art of cross-platform development tools.
2. Follow a pre-established design and implement a UI for charger management with two aspects:
   a. Charger user access; b. Administrator access.

INESC TEC | Research Initiation Grant (AE2025-0127)
INESC TEC

3. Implementation of improvements to User Experience (UX) based on expected functionalities.
4. Automation of the build, testing, deployment and monitoring process for the software components of the loaders and management server following a microservices architecture.
5. Testing the UI with existing infrastructure.
6. Testing the automation process in a laboratory environment.
7. Writing complementary articles if there are innovative results.

Minimum profile required

- Academic training in computer engineering, software or similar field.

Preference factors

- Previous experience (or academic training) in software engineering, computer science and similar.
- Experience in developing web and mobile applications.
- Understanding of CI/CD pipelines and Git version control (GitLab CI, Jenkins).
- Experience with Docker or Kubernetes. - Solid experience with Python and JavaScript.

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.

INESC TEC | Research Initiation Grant (AE2025-0127)
INESC TEC

Application Period

Since 13 Mar 2025 to 13 Apr 2025

Centre

Power and Energy Systems

Scientific Advisor

José Silva

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.

INESC TEC | Research Initiation Grant (AE2025-0127)
INESC TEC

For more information: Click Here

Contact Information

Contact

Portugal

Contact E-mail   rh@inesctec.pt