

INESC TEC | Research Grant (AE2024-0522)
INESC TEC

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Posted Dec. 6, 2024, set to expire Apr. 7, 2025

Job Title	INESC TEC Research Grant (AE2024-0522)
Department	CBER
Institution	INESC TEC PORTO, , Portugal
Date Posted	Dec. 6, 2024
Application Deadline	Dec. 19, 2024
Position Start Date	Dec. 6, 2024
Job Categories	Graduate Student
Academic Field(s)	Bioengineering (all Bio-related fields) Electrical and/or Electronics Engineering - Other
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Job Description	

Research Opportunities

Smart wearable devices (signal processing and programming).

Work description

Research and development of signal analysis algorithms acquired in real time by a sensorized garment with integrated sensors, which will perform electrocardiography measurements and biomechanical movement parameters during sporting activities. The aim is to identify characteristics, localize and

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recognize personalized patterns, through artificial intelligence methods, to classify and evaluate different sporting activities objectively to improve performance and prevent potential injuries. Collaboration in a research, development and innovation project, in the textile and clothing sector, to create smart clothing with movement, biometric and physiological sensing. Collaborate with project partners in signal collection and database organization. Collaborate in the writing of scientific articles, patent proposals and work reports.

Academic Qualifications

BSc in Biomedical Eng., Electrical Eng. or related areas. MSc student in Biomedical Eng., Electrical Eng. or related areas.

Minimum profile required

Good knowledge of programming and signal processing.

Preference factors

Good knowledge of programming and signal processing.

Application Period

Since 06 Dec 2024 to 19 Dec 2024

Centre

Biomedical Engineering Research

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Scientific Advisor

[Miguel Velhote Correia](#)

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.
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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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Portugal

Contact E-mail rh@inesctec.pt