

INESC TEC | Research Grant (AE2024-0112)
INESC TEC

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Posted Mar. 18, 2024, set to expire Jul. 14, 2024

Job Title	INESC TEC Research Grant (AE2024-0112)
Department	CBER
Institution	INESC TEC PORTO, , Portugal
Date Posted	Mar. 18, 2024
Application Deadline	Mar. 27, 2024
Position Start Date	Mar. 14, 2024
Job Categories	Graduate Student
Academic Field(s)	Bioengineering (all Bio-related fields) Bioengineering (all Bio-related fields) Bioengineering (all Bio-related fields) Engineering - Other Engineering - Other Engineering - Other
Apply Online Here	https://www.inesctec.pt/en/opportunities/smart-medical-devices-microprogramming-and-signal-processing-AE2024-0112#intro
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Job Description	

Research Opportunity

Smart medical devices (microprogramming and signal processing)

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Work description

- Research and development of algorithms for analyzing signals acquired in real time by a system with integrated sensors, which will perform measurements, for example, of body temperature, heart rate and respiration and peripheral oxygenation during daily activities;
- Identification of characteristics and recognition of personalized patterns in an objective and efficient way and creation of a mobile application for the user to improve their performance;
- Collaboration in a research, development and innovation project, in the textile and clothing sector, to create smart clothing with movement, biometric and physiological sensing;
- Collaboration with project partners in signal collection and database organization;
- Collaboration in the writing of scientific articles, patent proposals and work reports.

Academic Qualifications

Graduation. The awarding of the fellowship is dependent on the applicants' enrolment in study cycle or non-award courses of Higher Education Institutions

Minimum profile required

MSc student in Biomedical Engineering or related areas.

Preference factors

Good knowledge of programming and signal processing.

Application Period

Since 14 Mar 2024 to 27 Mar 2024

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Maintenance stipend: € 990,98

Centre

Biomedical Engineering Research

Scientific Advisor

[Miguel Velhote Correia](#)

For more information: <https://www.inesctec.pt/en/opportunities/smart-medical-devices-microprogramming-and-signal-processing-AE2024-0112#intro>

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