

## INESC TEC | Research Grant (AE2024-0113) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=232939>

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

<b>Job Title</b>	INESC TEC   Research Grant (AE2024-0113)
<b>Department</b>	CBER
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Mar. 18, 2024
<b>Application Deadline</b>	Mar. 27, 2024
<b>Position Start Date</b>	Mar. 14, 2024
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Engineering - Other Bioengineering (all Bio-related fields)
<b>Apply Online Here</b>	<a href="https://www.inesctec.pt/en/opportunities/smart-medical-devices-electronics-programming-and-signal-processing-AE2024-0113#intro">https://www.inesctec.pt/en/opportunities/smart-medical-devices-electronics-programming-and-signal-processing-AE2024-0113#intro</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Research Opportunity

**Smart medical devices (microprogramming and signal processing)**

### 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,

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- 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

**Maintenance stipend:** € 990,98

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### **Centre**

Biomedical Engineering Research

### **Scientific Advisor**

[Miguel Velhote Correia](#)

For more information: <https://www.inesctec.pt/en/opportunities/smart-medical-devices-electronics-programming-and-signal-processing-AE2024-0113#intro>

### **Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

#### **Contact**

Portugal

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