

**INESC TEC | Research Grant (AE2024-0521)**  
**INESC TEC**

Direct Link: <https://www.AcademicKeys.com/r?job=250040>

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

|                             |   |
|-----------------------------|---|
| <b>Job Title</b>            | INESC TEC   Research Grant (AE2024-0521)  |
| <b>Department</b>           | CBER  |
| <b>Institution</b>          | INESC TEC<br>PORTO, , Portugal  |
| <b>Date Posted</b>          | Dec. 6, 2024  |
| <b>Application Deadline</b> | Dec. 19, 2024   |
| <b>Position Start Date</b>  | Dec. 6, 2024  |
| <b>Job Categories</b>       | Graduate Student  |
| <b>Academic Field(s)</b>    | Bioengineering (all Bio-related fields)<br>Engineering - Other  |
| <b>Apply Online Here</b>    | <a href="https://www.inesctec.pt/en/form/notice/5196">https://www.inesctec.pt/en/form/notice/5196</a> |
| <b>Apply By Email</b>       |   |
| <b>Job Description</b>      |   |

Research Opportunities

**Smart medical devices (signal processing and programming).**

### **Work description**

Research and development of algorithms for analyzing physiological signals acquired by devices with integrated sensors, which will perform electrocardiography, electromyography and movement measurements, among others, during everyday activities. The aim is to identify characteristics and recognize personalized patterns, through artificial intelligence methods, to classify and evaluate

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different pathologies objectively for early detection or follow-up monitoring.

Collaboration in a research, development and innovation project, in the healthcare sector, to create smart devices with biometric, physiological and movement 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. or related areas. MSc student in Biomedical Eng. or related areas.

### **Minimum profile required**

Good knowledge of programming and signal processing.

### **Preference factors**

Knowledge in Machine Learning.

### **Application Period**

Since 06 Dec 2024 to 19 Dec 2024

### **Centre**

Biomedical Engineering Research

### **Scientific Advisor**

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[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.
- **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.

For more information: [Click Here](#)

### Contact Information

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

### Contact

Portugal

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