

**INESC TEC | Research Grant (AE2024-0473)**  
**INESC TEC**

Direct Link: <https://www.AcademicKeys.com/r?job=248487>

Downloaded On: Nov. 13, 2024 5:17am

Posted Nov. 8, 2024, set to expire Mar. 10, 2025

|                             |   |
|-----------------------------|---|
| <b>Job Title</b>            | INESC TEC   Research Grant (AE2024-0473)  |
| <b>Department</b>           | CBER  |
| <b>Institution</b>          | INESC TEC<br>PORTO, , Portugal  |
| <b>Date Posted</b>          | Nov. 8, 2024  |
| <b>Application Deadline</b> | Nov. 20, 2024   |
| <b>Position Start Date</b>  | Nov. 7, 2024  |
| <b>Job Categories</b>       | Graduate Student  |
| <b>Academic Field(s)</b>    | Engineering - Other   |
| <b>Apply Online Here</b>    | <a href="https://www.inesctec.pt/en/form/notice/5148">https://www.inesctec.pt/en/form/notice/5148</a> |
| <b>Apply By Email</b>       |   |
| <b>Job Description</b>      |   |

Research Opportunities

**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, heart rate and respiration and peripheral oxygenation during daily activities;

1. Identification of characteristics and recognition of personalized patterns in an objective and

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- efficient way and creation of a mobile application for the user to improve their performance.
2. Collaboration in a research, development and innovation project, in the textile and clothing sector, to create smart clothing with movement, biometric and physiological sensing.
  3. Collaboration with project partners in signal collection and database organization.
  4. Collaboration in the writing of scientific articles, patent proposals and work reports.

### Academic Qualifications

MSc

### Minimum profile required

- MSc in Biomedical Engineering or related areas.

### Preference factors

- Good knowledge of programming and signal processing.

**Maintenance stipend:** € 1259,64, 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.

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### Application Period

Since 07 Nov 2024 to 20 Nov 2024

### Centre

Biomedical Engineering Research

### 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.
- **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.

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**Contact Information**

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

**Contact**

Portugal

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