

INESC TEC | Research Grant (AE2025-0383) INESCTEC

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Posted Aug. 29, 2025, set to expire Dec. 29, 2025

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| Job Title | INESC TEC Research Grant (AE2025-0383) |
| Department | CBER |
| Institution | INESCTEC PORTO, , Portugal |
| Date Posted | Aug. 29, 2025 |
| Application Deadline | Sep. 10, 2025 |
| Position Start Date | Available immediately |
| Job Categories | Graduate Student |
| Academic Field(s) | Engineering - Other Electrical and/or Electronics Bioengineering (all Bio-related fields) |
| Apply Online Here | https://www.inesctec.pt/en/form/notice/5613 |
| Apply By Email | |
| Job Description | |

Research Opportunities

Smart medical devices (signal processing and programming).

Work description

- Research and development of algorithms for analyzing physiological and biomechanical 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 different pathologies objectively for early detection

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or follow-up monitoring.

- Collaboration in the 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

- Solid knowledge of programming and signal processing, based on Matlab or Python.

Preference factors

- Machine Learning Knowledge.
- Knowledge of signal processing and machine learning libraries (e.g., PyCaret, scikit-learn).

Maintenance stipend: € 1309.64, 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.

Application Period

Since 28 Aug 2025 to 10 Sep 2025

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.

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Contact Information

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

Contact

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