

CALL FOR GRANT APPLICATIONS (AE2025-0331)

INESC TEC is now accepting grant applications to award 1 Research Initiation Grant (BII) within the scope of the OCEAN_FCT funded by National Funds through FCT - Portuguese Foundation for Science and Technology, I.P., project reference .

1. GRANT DESCRIPTION

Type of grant: Research Initiation Grant (BII)

General scientific area: ENGINEERING

Scientific subarea: Mechanical engineering, Industrial engineering, Process engineering

Area of Work: R&D+i

Grant duration: 12 months, starting on 2025-09-15.

Scientific advisor: Carlos Almeida

Workplace: INESC TEC, Porto, Portugal

Maintenance stipend: € 651.12, [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.

2. OBJECTIVES:

Automated Manufacturing: study of production processes for metallic and non-metallic parts with the integration of automated technologies. CNC Machine Components: analysis of key CNC elements, such as motors, sensors, and controllers, and their interactions. CNC Control and Programming: understanding of control systems, G-code programming, and automation tools. CAM Modelling and Programming: 3D modelling and simulation in SolidWorks, with G-code generation for CNC. Automated CNC Operation: practical execution of machining with automatic parameter adjustment. Inspection and Optimisation: automated inspection of parts, fault detection, and implementation of improvements.

3. BRIEF PRESENTATION OF THE WORK PROGRAMME AND TRAINING:

The candidate will support the management of the marine area laboratory infrastructure at INESC TEC, collaborating in the maintenance, repair, and technical support of equipment, as well as in the design and manufacturing of new mechanical components. They will work under the guidance of more experienced technicians and will be involved in optimising the machining process of parts for robots across different platforms.

4. REQUIRED PROFILE:

Admission requirements:

The candidate must have at least a secondary school (12th year) education.

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

Preference factors:

Technical-Vocational Course, preferably in the areas of electrical engineering, industrial maintenance, mechatronics, or similar. A minimum of 1 to 3 years of professional experience in technical roles related to maintenance or electromechanics. Internships in relevant environments are valued.

Minimum requirements:

Professional experience with automated systems, robotic manufacturing cells, and computer-assisted centralised industrial process control systems.

5. EVALUATION OF APPLICATIONS AND SELECTION PROCESS:

Selection criteria and corresponding valuation: the first phase comprises the Academic Evaluation (AC), based on the criteria referred to in Article 12 of the [Regulations for Grants of INESC TEC](#), while the second phase comprehends the Individual Interview (EI). All factors are evaluated on a scale of 0 to 100, taking into account the applicants' merit, suitability and conformity with the preference factors.

The weight of the AC factors are as follows: Academic Qualifications (FA, 60%), Scientific Publications (PC, 0%), Experience (EX, 20%) and Motivation Letter (CM, 20%).

Candidates who score less than 50 points in the AC average will be considered excluded on absolute merit. The top five candidates approved on absolute merit will be qualified for the individual interview. The Final Grade (CF) is obtained by the weighted average of AC (80%) and EI (20%).

DISABILITY INCENTIVE

Candidates who present a degree of disability equal to or greater than 90% will benefit from an incentive (20) in the score of the CV Assessment.

Candidates who present a degree of disability equal to or greater than 60% and less than 90% will also benefit from an incentive (10) in the score of the CV Assessment.

Said score may, in these cases, exceed 100 points.

Candidates must demonstrate the degree of disability during the application, namely through the submission of the Multi-Purpose Medical Certificate of Disability, issued in accordance with Decree-Law no. 202/96, of October 23 - currently in effect.

Candidates must declare, in the application form, the type of disability used throughout the selection process, in order to proceed with the required adaptations.

The Selection Jury is composed of the following members:

President of the Jury: Eduardo Silva

Full member: André Dias

Full member: Diana Viegas

Substitute member:

Release of results and prior hearing: the results of the selection process, as well as the terms and procedures for prior hearing, will be released to the applicants by email, under the terms referred to in Article 13 of the Regulations for Studentships and Fellowships of INESC TEC.

6. FORMALISATION OF APPLICATIONS:

Application Documents:

1. Motivation letter;
2. Curriculum Vitae (must include the list of previous fellowships, their type, beginning and end dates, funding entities and host institutions);
3. Certificate or diploma degree;
4. Proof of enrollment in a degree awarding study cycle or in a non degree awarding Higher Education program.

- The proof of enrollment may be presented just during the grant hiring stage.
5. Signed declaration stating not having benefited from any other research fellowship (Article 5, no. 5)
 6. Documental evidence to support the country of residence, residence permit or other legally equivalent document, in cases where the applicant is a foreigner or non-resident in Portugal - valid until the beginning of the grant.
 7. Other supporting documents relevant to the final assessment.

Failure to deliver the required documents within the 90-day period after the date of the notice of the conditional awarding of the grant implies its cancellation.

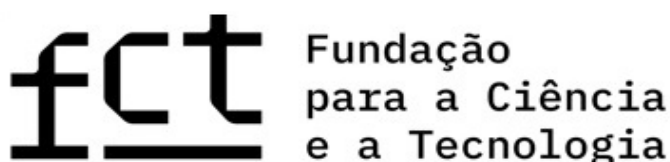
Application period: From 2025-08-14 to 2025-08-28

Submission of applications: the application will be formalised by submitting the form available in the *Work With Us* section of INESC TEC website.

7. BINDING LEGISLATION AND REGULATION

The hiring process shall comply with the current legislation regarding the Research Grant Holder Statute, approved by Law no. 40/2004 of August 18, in its current wording, as well as by the [Regulations for Grants of INESC TEC](#) and for [FCT Grants Regulation in force](#).

For more information, please check the [Regulations for Grants of INESC TEC](#) and relevant annexes at www.inesctec.pt/bolsas



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