

**NOTICE OF COMPETITION FOR SIX RESEARCH SCHOLARSHIPS – MASTERS STUDENTS IN THE
AREA OF COMPUTER ENGINEERING OR INFORMATION SYSTEMS MANAGEMENT OR RELATED
AREAS – SINES NEXUS PROJECT**

Bearing in mind Regulation No. 437/2020 on Research Grants of the Polytechnic Institute of Setúbal, published in the 2nd series of the Official Gazette No. 83, of April 28, it is made public that, by order of 12-11-2025 from the President of the IPS, a competition is open for the award of **six Master Research Grant's (MRG) aimed at carrying out R&D activities** for candidates **enrolled in a Master Degree, in the area of Computer Engineering or Information Systems Management or related areas**, within the scope of the Sines Nexus project, financed through Recovery and Resilience Program (PRR) **with the period for receiving applications from 19-11-2025 to 03-12-2025**, in accordance with the following conditions:

- 1. Duration of the Scholarship** - The scholarship has a maximum duration of 6 months or less, with a minimum of 3 months, if it starts after 1 January 2026, ending with the completion of the Sines Nexus project on 30 June 2026.
- 2. Recipients** - The scholarship is intended for candidates with the following profile:
 - Students enrolled in master's degrees in the areas of Computer Engineering, Data Science or Information Systems Management, or related areas;
 - Relevance to those with knowledge of international transport systems and, preferably, in the port area;
 - Good technical and scientific knowledge in mobile development, and/or web programming, and/or human-computer interaction (UX), and/or application of machine learning;
 - Sense of responsibility and ability to communicate and integrate into multidisciplinary work teams.
- 3. Financial component** - According to the Table, contained in Annex I to the FCT Scholarship Regulation, approved by Regulation No. 950/2019, published in the Diário da República, 2nd series of December 16 (updated version), the value of the Scholarship corresponds to € 1040,98 being paid monthly, by bank transfer.
- 4. Workplace** - The work will be carried out exclusively at the Setúbal School of Technology or the School of Business Sciences under the scientific guidance of Professor Rui Madeira or Professor Ana Mendes.

**NOTICE OF COMPETITION FOR SIX RESEARCH SCHOLARSHIPS – MASTERS STUDENTS IN THE
AREA OF COMPUTER ENGINEERING OR INFORMATION SYSTEMS MANAGEMENT OR RELATED
AREAS – SINES NEXUS PROJECT**

5. Activity plan - The candidate will perform functions in one of the Work Packages (WP) in which IPS is participating:

- WP1 – Open Data Collaboration Platform and/or;
- WP2 – AI Powered Applications and/or;
- WP3 – Smart Gates and Smart Terminals and/or;
- WP5 – Smart Logistics

6. Assessment and ranking criteria:

6.1. Curriculum and Motivational Letter Assessment (CV+ML) – (scale of 0-15 values)

a) Academic training (weighting of 0,30) - maximum 15 values

Enrolment in a master's degree in the areas of Computer Engineering, Data Science or Information Systems Management	15 val.
Enrolment on a master's degree in a related areas	10 val.

b) Analysis of knowledge in digital transformation (weighting of 0,20) - maximum 15 values

With relevant knowledge and experience in digital transformation applied to the project area (e.g., participation in research and development projects, communications, published articles)	15 val.
Good technical and scientific knowledge in mobile development and/or web programming and/or human-computer interaction (UX) and/or application of machine learning.	10 val.
With knowledge in digital transformation applied to the project area	5 val.
With knowledge in digital transformation applied to other areas of interest	0 val.

**NOTICE OF COMPETITION FOR SIX RESEARCH SCHOLARSHIPS – MASTERS STUDENTS IN THE
AREA OF COMPUTER ENGINEERING OR INFORMATION SYSTEMS MANAGEMENT OR RELATED
AREAS – SINES NEXUS PROJECT**

c) General analysis of the Curriculum Vitae (weighting 0,30) - maximum 15 values

Very good	15 val.
Good	10 val.
Satisfies	5 val.
Does not satisfy	0 val.

d) General analysis of the Letter of Motivations (weighting 0,20) - maximum 15 values

Very good (presents motivational factors related to the activities to be performed as a scholarship holder duly framed in the role)	15 val.
Good	10 val.
Satisfies	5 val.
Does not satisfy	0 val.

6.2. Selection Interview (scale of 0-5 values)

In the interview, 4 evaluation parameters are defined and their classification results from the following formula: $E=MI+TTK+CS+VEF$

- Motivation and Interest (MI)
- Theoretical and Technical Knowledge (TTK)
- Critical Sense (CS)
- Verbal Expression and Fluency, including in English (VEF)

Each parameter is valued from 0 points to 1.25 points according to the candidate's demonstration of competence or behavior.

When provided for in the competition notice, the interview is a compulsory and eliminatory selection method.

**NOTICE OF COMPETITION FOR SIX RESEARCH SCHOLARSHIPS – MASTERS STUDENTS IN THE
AREA OF COMPUTER ENGINEERING OR INFORMATION SYSTEMS MANAGEMENT OR RELATED
AREAS – SINES NEXUS PROJECT**

- 6.3.** The classification of each candidate will be calculated by the sum of the values obtained in the **CURRICULAR EVALUATION** and in the **SELECTION INTERVIEW**.
- 6.4.** The classification of each candidate will be calculated by the sum of the values obtained in the selection methods specified in the previous point and the ordering of the candidates will be expressed on a scale of 0 to 20 values, rounded to the nearest tenth.
- 6.5.** For the candidate to be admitted, they must achieve a minimum total classification of 9.5 values and must have obtained at least half of the maximum possible score in Curriculum Assessment method.
- 6.6.** In the event of a tie, the one who achieved the highest rating in the Interview component will be used as the tiebreaker.
- 6.7.** Based on the final ranking list, a recruitment reserve will be created, which will be used to potentially hire successful candidates in the event of withdrawal from those placed in positions eligible for hiring.
- 7. Application documents** - The application must be accompanied by the following documentation:
- Letter of motivation addressed to the President of the IPS;
 - Candidacy form (signed)
 - Detailed CV;
 - Certificates of qualifications for academic degrees held;
 - Proof of student status for the course and degree attended at a Portuguese Higher Education Institution, issued by the respective academic services;
 - Proof of residence permit in Portugal (for applicants without Portuguese citizenship).
- 8. How to submit your application** - The application must be made by filling out the standard form, available on the IPS website, at www.ips.pt and sent to bolsas.investigacao.dgp@ips.pt or through the address, Campus do IPS, Estefanilha, 2910 761 Setúbal, until the application deadline.

**NOTICE OF COMPETITION FOR SIX RESEARCH SCHOLARSHIPS – MASTERS STUDENTS IN THE
AREA OF COMPUTER ENGINEERING OR INFORMATION SYSTEMS MANAGEMENT OR RELATED
AREAS – SINES NEXUS PROJECT**

9. The jury is made up of:

President

Doutor Rui Miguel Gonçalves Neves Madeira, Professor Adjunto da Escola Superior de Tecnologia de Setúbal/IPS.

Effective vowels

Doutora Ana de Jesus Pereira Barreira Mendes, Professora Coordenadora da Escola Superior de Ciências Empresariais/IPS;

Doutor Tiago Miguel Santa Rita Simões de Pinho, Professor Coordenador da Escola Superior de Ciências Empresariais/IPS.

Substitute members

Doutor Nelson Jorge Gaudêncio Carriço, Professor Adjunto da Escola Superior de Tecnologia do Barreiro/IPS.

- 10. Applicable legislation and regulations** - The scholarship is awarded under Law No. 40/2004 of August 18, in its updated version (Statute of the Scientific Research Fellow) and Regulation of Scholarships and Research of the Foundation for Science and Technology, available for consultation at <https://www.fct.pt/apoios/bolsas/regulamento.phtml.pt>

Instituto Politécnico de Setúbal.