**NOTICE OF COMPETITION FOR TWO MASTER RESEARCH GRANT IN THE AREA OF COMPUTER ENGINEERING OR RELATED AREAS – DRIVOLUTION 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 25-02-2025 from the President of the IPS, a competition is open for the award of **two Master Research Grant (MRG) aimed at carrying out R&D activities** for students enrolled in a **Master Degree**, **in the area of Computer Engineering or related areas**, within the scope of the Drivolution project, financed through IAPMEI **with the period for receiving applications from 10-03-2025 to 21-03-2025**, in accordance with the following conditions:

1. **Duration of the Scholarship -** The grants last for 9 months, possibly renewable for up to 12 months, including the first contract, if it does not exceed the final execution date of the respective project.

2. **Recipients -** The scholarship is intended for candidates with the following profile:

   - Students enrolled in a master program in Computer Engineering or related areas;
   - Knowledge of the development of automatic [deep] learning and information visualization applications;
   - Experience in the use of algorithms and data analysis methods;
   - 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, on an exclusive basis, in Information Systems Department of the Instituto Politécnico de Setúbal, under the scientific guidance of Professor Rui Madeira.

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5. **Activity plan -** Carrying out tasks as part of the "*A4. Predictive maintenance and interactive augmented reality-based manuals*" of the Drivolution project:

   - T3 – Development of Intelligence User Manuals based on Augmented Reality following a User-centred design;
   - T4 - Integration in the platform.

   In addition to tasks such as:

   - Participation in meetings and actions to disseminate the project (e.g. writing scientific articles).

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 program in the field of Computer Engineering or Software Engineering | 15 val. |
   | Enrolment in a master program in a related field | 5 val. |

   b) Analysis of knowledge in specific areas (weighting of 0,30) - maximum 15 values

   | | |
   |---|---|
   | Experience in developing Extended Reality applications | 15 val. |
   | Solid knowledge of User Centred Design | 10 val. |
   | Basic knowledge of Extended Reality application development | 5 val. |

   c) General analysis of the Curriculum Vitae (weighting 0,40) - maximum 15 values

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

**6.2. Motivation Letter (scale of 0-5 values)**

For the motivation letter, 4 evaluation parameters are defined and their classification results from the following formula: CM=MI+TTK+CS+WEF

- Motivation and Interest (MI)
- Theoretical and Technical Knowledge (TTK)
- Critical Sense (CS)
- Written Expression and Fluency (WEF)

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

**6.3.** The classification of each candidate will be calculated by the sum of the values obtained in the **CURRICULAR EVALUATION** and **MOTIVATION LETTER**.

**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 Motivation Letter 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.

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7. **Application documents** - The application must be accompanied by the following documentation:

   - Letter of motivation addressed to the President of the IPS;
   - Candidacy form;
   - Detailed CV;
   - Certificates of academic qualifications;
   - Proof of student status for the course and the PhD degree, issued by the Academic Division of the Higher Education Institution in which you are enrolled;
   - 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, in the Central Services/DICI/Research Grants tabs, and sent to bolsas.investigacao.dgp@ips.pt or through the address, Campus do IPS, Estefanilha, 2910 761 Setúbal, until the application deadline.

9. **The jury is made up of:**

   **President**

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

   **Effective vowels**

   Professor Doutor Miguel Lopez, Professor Coordenador da Escola Superior de Tecnologia de Setúbal/IPS;

   Professora Doutora Patrícia Macedo, Professora Adjunta da Escola Superior de Tecnologia de Setúbal/IPS.

   **Substitute members**

   Professor Doutor Pedro Albuquerque Santos, Professor Adjunto da Escola Superior de Ciências Empresariais/IPS;

   Professora Doutora Paula Miranda, Professora Adjunta da Escola Superior de Tecnologia de Setúbal/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.

The Vice-President,