

**INESC TEC | Research Initiation Grant (AE2025-0033)**  
**INESC TEC**

Direct Link: <https://www.AcademicKeys.com/r?job=252506>

Downloaded On: Feb. 5, 2025 11:47am

Posted Jan. 31, 2025, set to expire Jun. 2, 2025

<b>Job Title</b>	INESC TEC   Research Initiation Grant (AE2025-0033)
<b>Department</b>	CESE
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Jan. 31, 2025
<b>Application Deadline</b>	Feb. 12, 2025
<b>Position Start Date</b>	Jan. 30, 2025
<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/5282">https://www.inesctec.pt/en/form/notice/5282</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Research Opportunities

**Business systems engineering; Simulation/Optimisation of logistics processes.**

**Work description**

- Review of the state of the art and identification of the main research gaps in the context of port logistics and operations management in cargo consolidation/deconsolidation logistics hubs.
- Detailed characterisation of the problem to be addressed.
- Design and development of simulation strategies to evaluate scenarios in uncertain

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- environments, promoting efficient decision support in resource and capacity management.
- Evaluation of the approach developed and analysis of results (KPIs).
- Writing the master's thesis.
- Writing the scholarship activity report.

### Academic Qualifications

- Master's student in Mechanical Engineering, branch of Production Management;

### Minimum profile required

- Master's student in Mechanical Engineering, Production Management branch.
- Bachelor's degree in Mechanical Engineering with an average of more than 15 points.

### Preference factors

- Knowledge of operational research and operations management.
- Experience in optimisation and programming in Python, Java or similar.
- Strong teamwork skills.
- Knowledge of English and Portuguese.

**Maintenance stipend:** € 601,12, 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".

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The grant holder will benefit from health insurance, supported by INESC TEC.

### Application Period

Since 30 Jan 2025 to 12 Feb 2025

### Centre

Enterprise Systems Engineering

### Scientific Advisor

[Catarina Moreira Marques](#)

### 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**

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- Flexible working time, health insurance, discounts in hotels, transportation, etc.
- **Informal Events**
- Annual informal events, such as the multicultural party.

For more information: [Click Here](#)

### Contact Information

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

#### Contact

INESC TEC - Instituto De Engenharia De Sistemas E  
Computadores, Tecnologia E Ciência

Portugal

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