

EUROPEAN PROJECT SEMESTER – EPS@ISEP  
PROJECT DESCRIPTION

Team:

Proposal:

**P03**

Semester:

**Spring 2014**

TITLE	Travel Logging System
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## SHORT DESCRIPTION

Objective	Design and development of a travel logging system capable of measuring and storing the acceleration, the rotation and the temperature of an object.
Requirements	<ul style="list-style-type: none"> <li>– Easy to use (usability);</li> <li>– Sensing module (temperature, gyros, accelerometers, RFID, ?);</li> <li>– Power module (solar panel, batteries, mains): autonomy ? h);</li> <li>– Control module;</li> <li>– User interface module;</li> <li>– Reuse provided components or low cost hardware solutions;</li> <li>– Use open source and freeware software;</li> <li>– Adopt the International System of Units (<a href="#">NIST International Guide for the use of the International System of Units</a>);</li> <li>– Be compliant with the Machines Directive (<a href="#">MD</a>), Low Voltage Directive (<a href="#">LVD</a>) and Restriction of the use of certain Hazardous Substances (<a href="#">RoHS</a>) Directive.</li> </ul>

## RELEVANT DATA

Maximum budget: 600,00 €

ACADEMIC	Abel José Duarte (AJD), Fernando Ferreira (FJF), Benedita Malheiro
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SUPERVISORS	(MBM), Maria Cristina Ribeiro (MCR), Manuel Silva (MSS) Pedro Barbosa Guedes (PBG), Paulo Ferreira (PDF)
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