International Traineeship Proposal

Host Institution (placement place)	**Polytechnic Institute of Beja**
Web	https://www.ipbeja.pt/en/Pages/default.aspx
Activity (working area)	App development
Contacts of the Host Institution (contact person, adress, tel and e-mail)	João Paulo Barros Av. Pedro Soares 7800-295 Beja Portugal (joao.barros@ipbeja.pt)
Number of students	1
Student Profile (academic area)	Computer science
Duration in months	3 to 6 months
Starting date (preview)	1st march 2016
Host department	Engineering /LabSI2
Department function / job title	Assistant professor
Description of activities (general programme of the training period and main activities)	To develop a mobile application to promote Dark Sky Alqueva "the first site in the world to receive the "Starlight Tourism Destination" certification. This certification, awarded by the Starlight Foundation is supported by UNESCO, UNWTO and IAC. Starlight destinations are visitable places characterized by excellent quality for the contemplation of starry skies, and the practice of tourist activities based on this resource." (http://www.darkskyalqueva.com/en/) The application will suggest places for astrophotography and landscape astrophotography, as well as astronomical observations, all in the region of the Alqueva reservoir the largest artificial lake in Europe. The application can be developed in Android or Apple iOS using an iterative development model where after an initial analysis and design phases, the application will be constructed by successive development steps: Initial analysis (2 weeks) User interface design (2 weeks) Application construction (9 weeks) Validation, final tests, and corrections (3 week)
Other qualifications or comments	• Explain in a critical form the similarities and differences between the developed work and other similar works in the same area. • Apply knowledge acquired along the programme. • Solve a problem presented as an individual project. • Resume the developed work using a poster and a four pages article/paper.
Computer skills	**Skills** | **Level**

	1. Programming skills	good
Language skills	**Skills** 1. English	**Level** good
Comments on the trainee profile	The student is expected to develop a significant autonomous piece of work, according to the detailed programme of the traineeship. This is checked and followed by the advisors and, in the end, assessed by a jury. The supervisor permanently advise the student according to the regulation of this curricular unit.	
Monthly remuneration	€	
Accommodation (please select)	☐ Accommodation will be provided ☐ We can assist with finding accommodation ☐ Student to make own arrangements	
Other facilities	Accommodation (depending on the availability at the time) The student will have a space in a computer lab with a windows or Apple computer and tablets for development and tests (Android and iPads)	
Contact person at the HOST Institution (name, position, e-mail)		

Applications:

In order to proceed with the application, interested students should send the following documents to João Paulo Barros (joao.barros@ipbeja.pt) until February 10th:

- Letter of Motivation
- Curriculum Vitae (europass model) http://europass.cedefop.europa.eu/europass