# ICT IN PROMOTING BUSINESS TRAINING PhD in ICT



### author HELDER RODRIGO SOARES PINTO

thesis advisor MARTÍN LLAMAS NISTAL ARCHITECTURE AND TELEMATIC SERVICES

# MOTIVATION OF THE WORK

- \* In Portugal, each companie, should give 35 hours of mandatory training in Companies to each employee.
- \* The traditional training spends a lot of time working to employees.
- \* For the reason that I am instructor of Web Development, I want to create a intuitive and



SPEND MORE TIME

TRAVEL EXPENSES

LOW IN PRODUCTIVIT

HIGHER PRICES

attractive Web and Mobile e-Learning application, with the latest technology, directed to business training.

\* My intention is to make this tool a business training tool in a wide range of companies.

## THESIS OBJECTIVES

The aim will be to study the use of an web and mobile software system that fulfills all the conditions to provide companies the ability to offer quality training to its employees.

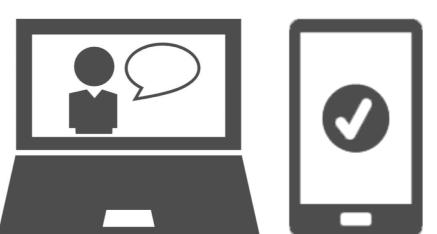
Given the need for compliance by companies in Portugal, to give 35 hours of annual training to each employee will be advantageous to provide avenues to facilitate the companies that obligation. The proposal will be to analyze and measure the response of companies in the use of an online system designed strategically for this purpose and to what extent this can ensure convenience, availability, lower costs, no need to travel or creation of suitable spaces, among others.

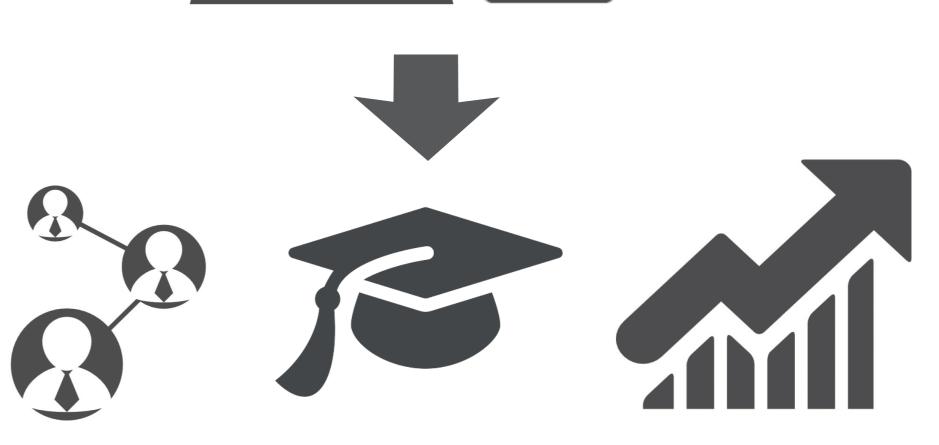
#### GOALS

- \* Create a Web and Mobile e-Learning application directed to training companies
- \* Check if that tools work according to employees in study

\* Study the receptivity and evaluation of companies to these measures, through assessment and training tools, receptivity for users and companies about the convenience, availability, lower costs, and others.

| ♥ EASY ACCESS                         | FLEXIBLE HOURS                   |
|---------------------------------------|----------------------------------|
| ♥ LEARNING PACE<br>SET BY THE TRAINEE | LOWER PRICES     FOR THE COURSES |
| PERMANENT AVAIL                       | REDUCED TRAVEL                   |
| ABILITY OF CONTENT                    | DIVERSIFICATION     COURSES      |

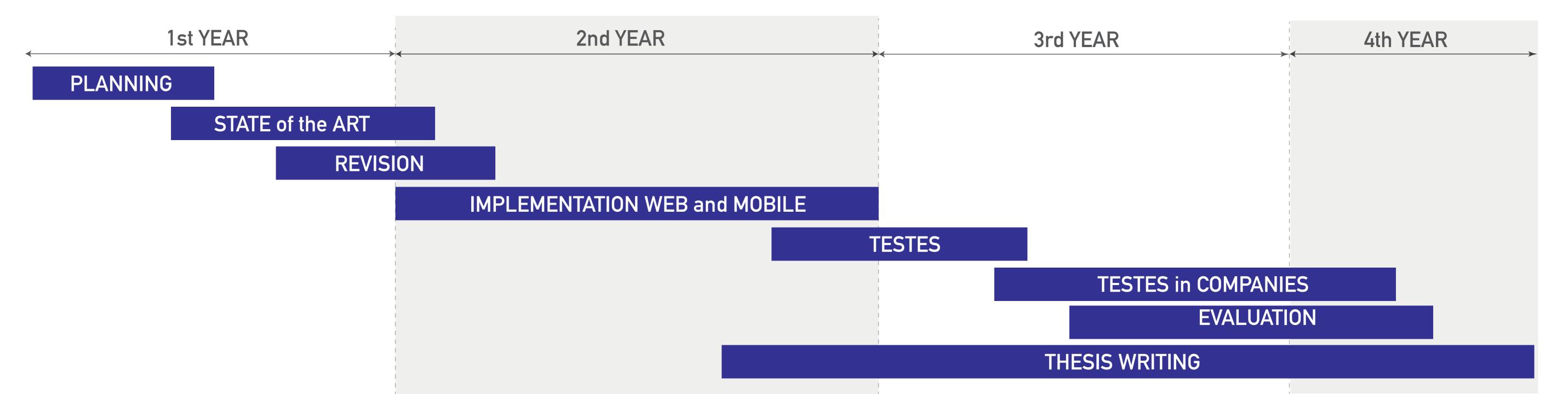








#### adual Str Given



## THEORETICAL APPROACH

E-learning refers to a type of learning whose general grounds meet the distance education parameters (Desmond Keegan, 1986) The success of e-learning and b-learning depends on the bet on five factors basis depending on the context and methodology to adopt: (Santos and Amaral, 2007)

| Completion<br>STATE of<br>the ARTImplementation<br>of Web and<br>Mobile<br>ApplicationsTo make<br>testing<br>applications | Beginning<br>of the<br>Thesis<br>written |
|---|--|
|---|--|

- \* Content with high-quality scientific and prepared for self-learning, in various media formats
- \* Mentoring guaranteed by facilitators and trainers, the learning process \* Interaction systems suitable for graduates
- \* Technologies used as a means to service training
- \* Rigorous evaluation systems and transparent

# REFERENCES

NEXT YEAR PLANNING

Keegan, D. (1998). Designing a web based training system
Hilgard E.R. and Bower G.H. 1966. Theories of learning. 3rd ed,
Behar, P. A.; MeirelLes, S. (2006). The virtual learning environment ROODA
Santos, A. (2000). Ensino à Distância & Tecnologias de Informação e-learning
Belanger, F.; Jordan D. J. (2000). Evaluation and Implementation of Distance Learning: Technologies, Tools and Techniques.
Machado, J., (2001). e-Learning in Portugal.
White, E. (1983). Guidelines for the Development of Educational Technology.
Silva, M.; Pesce, L.; Zuin, A. (2010). Online Edication

