

Intelligent Systems and Applications Laboratory (LSIA
2)

Course Description

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Intelligent Systems and Applications Laboratory

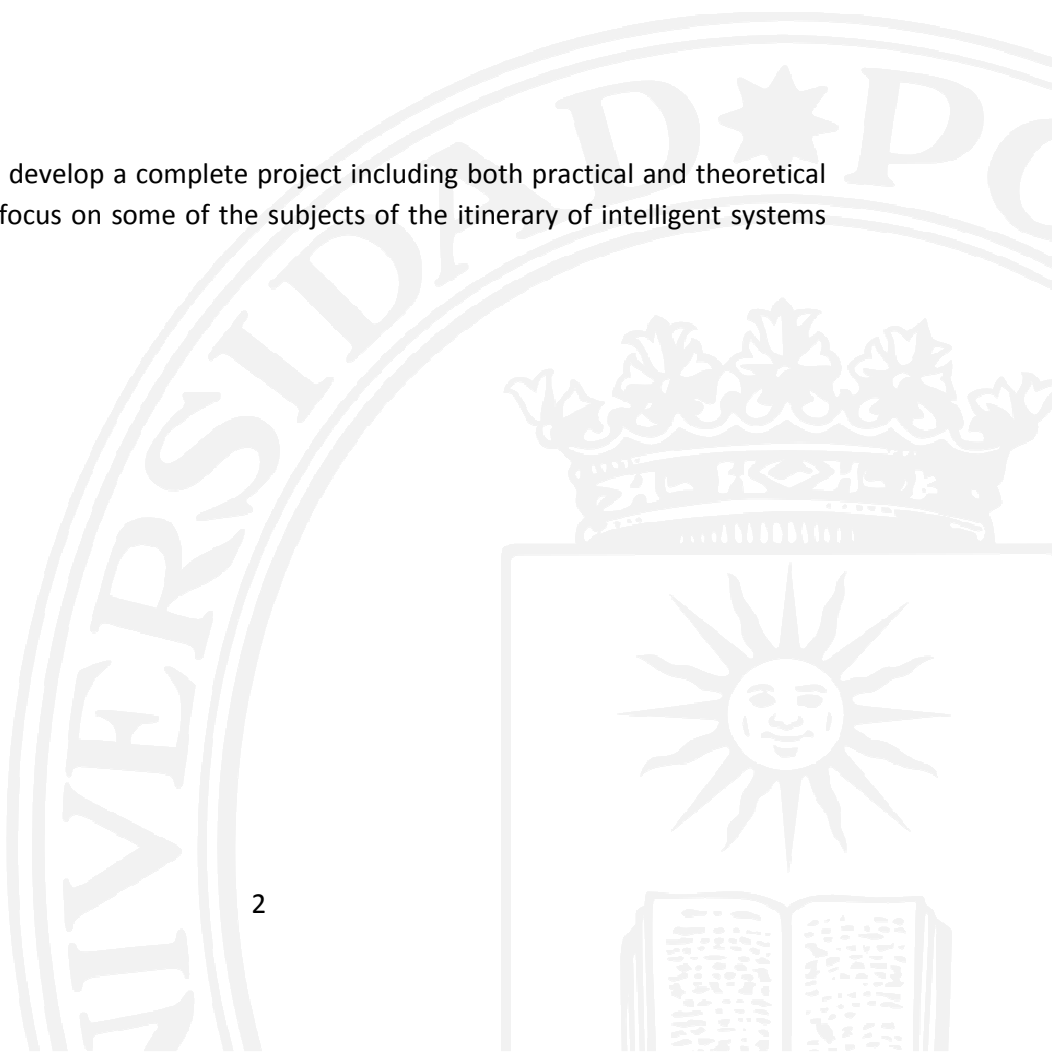
Semester: 2

Number of credits: 3

Type: optional

Objectives

In this lab, students must develop a complete project including both practical and theoretical part. This project should focus on some of the subjects of the itinerary of intelligent systems and applications.



Program

The proposed project this year is the development of a speech recognition system online, including the following:

- Collection and use of ATK
- Learning HTK tool
- Evaluation of the system with audio files

Bibliography

- Young, S., Kershaw, D., Odell, J., Ollason, D., Valtchev, V., Woodland, P. "The HTK book. 2.2", Entropic, 1999.
- Xuedong Huang, Alejandro Acero, Hsiao-Wuen Hon. Spoken Language Processing: A Guide to Theory, Algorithm, and System Development. 2001.

Teachers

Coordinator: Rubén San Segundo Hernández

Teacher: Rubén San Segundo Hernández

Teaching Methodology

The teaching methodology is based on project based learning (PBL). By conducting a complete project, the student acquires the knowledge needed in the development of each of the modules.

Evaluation

The evaluation will consist of the following:

- Developed: 50%
- Project presentation and presentation: 25%
- Memory or project documentation : 25%

Contact

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