COMP47700
Speech and Audio

TA: Diptasree Debnath

Demonstrators: Asad Ullah, Cathal Ó Faoláin, Crisron Lucas

Practical Labs

Room: H1.49-SCH

School of Computer Science

University College Dublin

Practical Laboratory Sessions (Thursday 14:00 H1.49-SCH)

- Python for Speech and Audio Processing
  - Numpy, SciPy, matplotlib, librosa
- Six (6) Practical Laboratory Sessions
  - Google Colab Notebooks will be available on the same day of the lab (Brightspace).
- Google Colab Notebooks
  - Learning Outcomes
  - Module Topics
  - Setup Notes
  - **Coding Sections**

Practical Laboratory Sessions (Thursday 14:00 H1.49-SCH)

- Coding Sections

  - **Live coding:** Basic theory, demos and coding examples presented by the lecturer on site (unmarked)

  - **Student activity:** Familiarisation and coding exercises to be completed by the students and followed by a short discussion on site (unmarked). These activities introduce key concepts and skills necessary to complete the assignments.

  - **Assignment:** Three (3) take home problem/coding questions to be completed by the students.

Practical Laboratory Sessions (Thursday 14:00 H1.49-SCH)

- Lab Assignments

    - Three (3) take home problem/coding questions

    - Due in two (2) weeks from the day the practical tutorial is given.

    - Submissions through Brightspace (Assessment → Assignments)

Assignments

100% of module mark is CA. Labs, Quizzes, and a Term Project.

Assignment		
6 Labs Notebook	Individual	40%
Term Project	Pairs/Individual	40%
Midterm In-Class Quiz	Individual	10%
Term Online Quiz	Individual	10%

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- Submissions of Lab Assignments

    - Lab Assignments should be submitted through Brightspace (e.g., *Assessment → Assignments → PL1*)

    - All three assignment questions should be submitted in a Colab Notebooks (.ipynb file format).

    - Naming of Colab Notebooks files **must follow this format** [student's id number]_PL1.ipynb

Practical Laboratory Sessions (Thursday 14:00 H1.49-SCH)

Contact

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Deadlines

Labs (40%)
PL1: 13 Feb
PL2: 20 Feb
PL3: 27 Feb
PL4: 10 Mar
PL5: 27 Mar
PL6: 10 Apr

Quizzes (20 %)
Quiz 1 - 6 Mar
Quiz 2 (online) - 17 May

Project (40 %)
Demo - 24 Apr
Submission - 5 May