

Radar project



Component
École Nationale
Supérieure
d'Électrotechnique
d'Électronique

In brief

- > **Amety's Code:** N9EE15D
- > **Open to exchange students:** Yes

Presentation

Objectives

Implement and test (simulation and measurement) a radar for a specific detection purpose. These projects are carried out in groups. Students must organize their work time on the various points and also choose how to simulate/measure the available components.

Description

In this project, students will be asked to design a radar with a specified detection objective using components available around Wi-Fi frequencies (2.45GHz). They will be asked to choose their electronic architecture, test it in simulation before implementing the radar and testing it in real conditions.

Pre-requisites

Courses from the same teaching unit: "Electromagnetic analysis of diffraction and radar architecture" and "Real propagation of electromagnetic waves."