



Astrolink II

The goal of this project is to build a video, voice and text communication system between the analogue base and the Mission Control Center

Laboratory:	TBD
Number of students:	1 (Master)
Section:	All
Status:	Available (Fall 2021)



Description of the project

Astrolink is a software used to manage the Asclepios missions - inventory, storage of procedures, planning - and transfer data between the analogue base and the Mission Control Center (MCC). Astrolink also allows direct communication by adding video, voice and text modules to the data transfer. The goal of this semester project would be to build on the existing Astrolink software and improve its modules transfer stability, using the lessons learned from the previous Asclepios missions.

Description of the student work and mission

Student will have to:

- Become familiar with the first version of the software and its architecture (Astrolink uses Vue JS and Django);
- Ensure the maintenance and stability of the software during the time of its semester project;
- Maintain and, eventually, add necessary features to the code before the Asclepios II mission.
- Write documentation about the code.

While all sections may apply, the student should demonstrate strong coding skills and motivation to learn.

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