

## **On Board Computer Subsystem - Job Description**

The OBC team( On Board Computer ), part of the ROSPIN-SAT-1 project, is looking for new colleagues to get involved in the development of a Cubesat. We offer an educational opportunity to develop the software system of the satellite and select the hardware architecture and components.

The On Board Computer's roles are to generate, store, transfer, and process data that comes from different sensors. At the same, the OBC should analyse the health of the satellite and take the necessary actions to ensure the reliability of the satellite and the success of the mission.

### The main objectives of the OBC subsystem are:

- Choosing the most efficient components, both from a financial point of view as well as the technical advantages they have in comparison with other options;
- Designing the optimal software to ensure the success of the mission;
- Integrating passionate people into the world of space technology and making sure they get familiar with this domain.

### **Required Qualifications, Skills and Experience**

#### **Essential:**

- Student/Graduate in Computer Science, Control Engineering or any other related discipline (STEM)
- Good knowledge of Microsoft Office Pack
- Passion for the space domain
- A can-do attitude
- A good team player, but equally comfortable working independently
- Able and willing to expand knowledge through reading relevant material and manuals
- Self-motivated and proactive
- Availability to attend weekly meetings and work independently (minimum 2 hours/week)

#### **Nice to have:**

- internships in the space domain
- participation and/or results in coding competitions
- participation in CanSat competitions
- real time programming experience
- space related workshops: cubesats, nanosats, space missions etc.