

Nanosatellite Missions Design

Astrofica Internship Training Program

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Day 1

Space Mission Design: Transitionning from your industry

- **What is a space mission (in very simple terms)?**
 - Simple definition
 - Simple concepts
- **Daily project**
 - Develop a high level mission design
 - How would your expertise contribute?
 - Form 4 new groups. Do it as a mini hackathon and submit a report

Day 2

Space Mission Management: Manage projects as if they were space missions to increase success

- **How is a space mission managed**
 - **Models (v-model, agile models, hybrids)**
 - **The key: STANDARDS AND MINDSET**
- **Daily project**
 - **Define a management plan for handling covid-19 in a company you work(ed) for**
 - **What aspects of space mission management can boost success in your plan?**
 - **Form 4 new groups. Do it as a mini hackathon and submit a report**

Day 3

Concurrent Spacecraft Engineering: Concept and methodology

- **What is concurrent engineering?**
 - **Concurrent Design Facility**
 - **The key: PREPARATION**
- **Daily project**
 - **Describe how you would prepare a 3-day concurrent design session**
 - **What would you do to ensure success?**
 - **Form 4 new groups. Do it as a mini hackathon and submit a report**