*This is a template for your report (of ASM1)*

# III. Project Management Plan: (P2)

## 3.4. Risks

* *The introduction of Risk Management? And How about risk in computing (IT or software engineering)*
* The risk management plan in your project

*Hint:*

*You can use all values below to fill out:*

Risk Categories: **Budget, Schedule, Resource, Quality, Technology.**

Probability: High, Medium, Low

Impact: High, Medium, Low

*After you’ve finished, please sort risks by Impact (desc) and then by Probability (desc). At least 5 risks.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Risk Category** | **Risk** | **Probability** | **Impact** | **Mitigation/Solution** |
| Budget | Material costs increase | Medium | Medium | Identify backup sources such as batteries, propellers, or other equipment. This helps avoid emergency situations and reduces the risk of project disruption. |
| Schedule | Difficulties in Extreme Weather Conditions: Bad weather conditions such as rain, strong winds or snow can disrupt flight schedules and affect data collection capabilities. | Medium | Medium | Determine a specific schedule for each phase of the project from start to finish. This includes preparation time, implementation, and data collection results. |
| Resource | Inadequately experienced and trained personnel can lead to incidents, reduced performance and increased risk of failure. | High | High | Determine the amount and type of human resources needed for each phase of the drone project. Including drone operators, technicians, and support teams. |
| Quality | Drones can be subject to cyber attacks, causing loss of control and leading to a loss of project safety and security. | Low | Low | Choose a drone that is high quality and fits your project's specific requirements, including sensors, cameras, and flight capabilities. |
| Technology | Lost connection between drone and management system | Medium | Medium | Use sensors such as high-resolution cameras, laser sensors, temperature sensors, and others to enhance data collection capabilities. |

## 3.5. Resources

* What is Resource?
  + 1. Materials
* Big Data frameworks: Hadoop, Spark,...... -> Cloud Service (big data)
  + 1. Human Resources

|  |  |  |
| --- | --- | --- |
| **Full name** | **Role** | **Salary ($/h)** |
|  |  |  |
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