Snellium

Chef de projet

Dates du projet   15 juil. 2024 - 11 oct. 2024

Avancée   98%

Tâches   54

Ressources   0

Tâches

Nom	Date de début	Date de fin
Mid-Term Visit	16/09/2024	16/09/2024
Last day of Internship	04/10/2024	04/10/2024
Portfolio Submission	11/10/2024	11/10/2024
Research	15/07/2024	14/08/2024
State-of-the-art of control system, camera systems, etc	15/07/2024	17/07/2024
Research on Plug-and-Play Software	23/07/2024	24/07/2024
Research on Serial Communication	24/07/2024	25/07/2024
Research on Monitoring Algorithms	29/07/2024	29/07/2024
Research on Python-C++ equivalent libraries	14/08/2024	14/08/2024
Microcontroller	17/07/2024	04/10/2024
Component Selection	17/07/2024	30/07/2024
Microcontorller Board Choice	17/07/2024	22/07/2024
Hardware Components Choice	22/07/2024	23/07/2024
Order Placed	23/07/2024	23/07/2024
Order Arrival	31/07/2024	31/07/2024
Prototype Microcontroller	29/07/2024	16/08/2024
Command Deserializer	29/07/2024	30/07/2024
Testing Components + Hands-On IDE	01/08/2024	05/08/2024
Triggering Camera with Prototype System	05/08/2024	05/08/2024
USB Communication Implementation	08/08/2024	12/08/2024
USB-to-UART search	12/08/2024	12/08/2024
Order USB-to-UART module	12/08/2024	12/08/2024
Order Arrival USB-to-UART module	16/08/2024	16/08/2024
Testing of USB-to-UART module	16/08/2024	16/08/2024
Microcontroller Firmware Implementation	01/10/2024	04/10/2024
Refactor and Formalize Microcontroller Firmware	01/10/2024	02/10/2024
Merge Request: microcontrller_firmware	03/10/2024	04/10/2024
Communication Protocol	24/07/2024	06/09/2024
First Definition	24/07/2024	25/07/2024
Formalization and Documentation of Protocol	05/09/2024	06/09/2024
Python Software Prototype	29/07/2024	09/08/2024
Serial Communication with board	29/07/2024	30/07/2024
Monitoring Algorithm	30/07/2024	31/07/2024
Refactoring	31/07/2024	09/08/2024
Triggering Camera with Prototype	05/08/2024	05/08/2024
End of Prototype	09/08/2024	09/08/2024
Snellium Codebase Integration	12/08/2024	04/10/2024
Study of current codebase	12/08/2024	16/08/2024
Build & Hands-on Software	13/08/2024	13/08/2024

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Daemon Module Abstraction	16/08/2024	06/09/2024
Implementation	16/08/2024	21/08/2024
Merge Request: module microcontroller	21/08/2024	06/09/2024
Daemon Core Implementation	22/08/2024	20/09/2024
Implementation	22/08/2024	06/09/2024
Device Module Abstraction Implementation	06/09/2024	16/09/2024
Merge Request: device module	16/09/2024	20/09/2024
Virtual Microcontroller Module	17/09/2024	30/09/2024
Implementation	17/09/2024	25/09/2024
Merge Request: virtual microcontroller	30/09/2024	30/09/2024
Serial Communication Microcontroller Module	26/09/2024	04/10/2024
Implementation	26/09/2024	01/10/2024
Merge Request: serial_microcontroller	02/10/2024	04/10/2024
Physical Setup & System Validation	03/10/2024	04/10/2024
Test & Debug	03/10/2024	04/10/2024

Diagramme de Gantt

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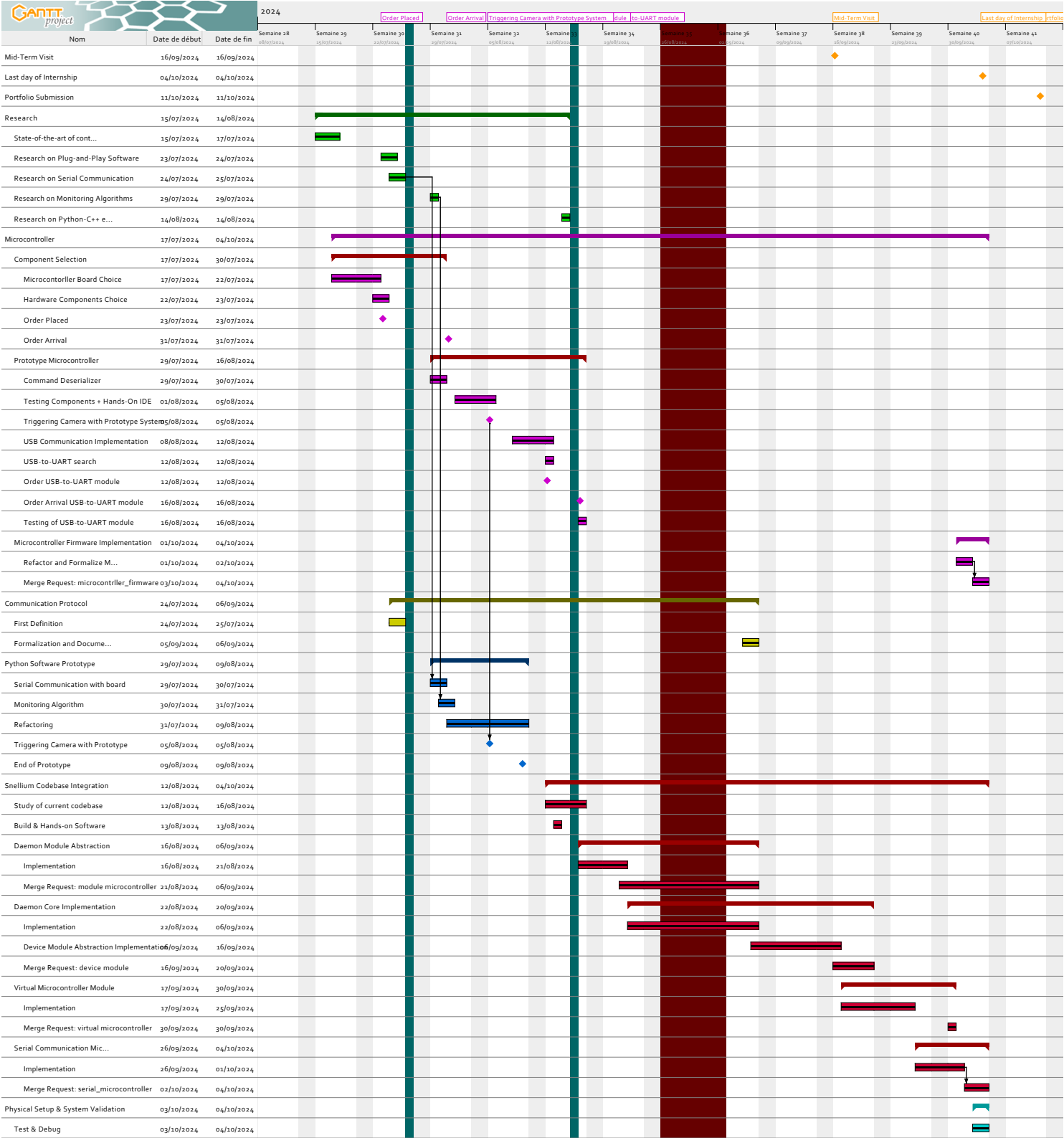| Nom	Date de début	Date de fin
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Diagramme des Ressources

Nom	Rôle par défaut

2024													
Semaine 28	Semaine 29	Semaine 30	Semaine 31	Semaine 32	Semaine 33	Semaine 34	Semaine 35	Semaine 36	Semaine 37	Semaine 38	Semaine 39	Semaine 40	Semaine 41

Order Placed — Order Arrival — Triggering Camera with Prototype System — dule — to-UART module — Mid-Term Visit — Last day of Internship — rtfolio