

Work remaining to do ASRS

Sl. No	<u>Description</u>	<u>DEADLINE</u>	<u>STATUS</u>
1.	MATLAB - Digital Twin (Link with Twincat - OPC UA) [Amrut, Ranjeet, Prathyush, Anant, Ritika]	15th NOV	On-Going
	a. Check linking TwinCAT with OPC UA software.	31st OCT	DONE
	b. Check linking MATLAB with OPC UA software.	31st OCT	DONE
	c. Connect MATLAB - Simulink with TWINCAT OPC UA data obtained for real-time digital twin.	13th NOV	In-Progress
2.	Programming for 2nd ASRS – Second Assembly [MECH. TEAM, Amrut, Prathyush]	10th NOV	In-Progress
3.	Complete assembly of both ASRS (Including all minor assemblies like - cable track, Electrical panel fitting etc.)	30th OCT	DONE
4.	ASRS – Pallet design and finalize objects to be placed. [MECH. TEAM]	To be finalized	----
5.	Link USER-Interface prepared with TWINCAT through OPC UA [Amrut, Ranjeet, Prathyush, Anant]	25th NOV	To be started

1. MATLAB - Digital Twin (Link with Twincat - OPC UA) [Amrut, Ranjeet, Prathyush, Anant, Ritika] **DEADLINE** - **2nd NOV.**

- a. Check linking TwinCAT with OPC UA software. [**DONE**]
- b. Check linking MATLAB with OPC UA software. [**DONE**]
- c. Connect MATLAB - Simulink with TWINCAT with OPC UA for data exchange.

2. Programming for new ASRS – Second Assembly [Amrut, Prathyush] **DEADLINE** - **10th NOV.**

3. Complete assembly of both ASRS (Including all minor assemblies like - cable track, panel fitting etc.) [Amogh, Prasad, Malhar] **DEADLINE** - **30th OCT.**

4. ASRS – Pallet design and finalize objects to be placed. [Amogh, Prasad, Malhar]

5. Link USER-Interface prepared with TWINCAT through OPC UA [Amrut, Ranjeet, Prathyush, Anant] **DEADLINE** - **15th NOV.**

1. AGV -

- a) Kinematics Calculation
- b) Software Implementation
- c) Complete Mechanical Assembly
- d) Electrical Design
- e) Check integration of ASRS with AGV