

ACTIVITY DESCRIPTION	STATUS	COMPLETION DATE
• Project Management and preliminary activities	In progress	Target – 15/05/2021
○ Finalise project scope and objectives definition	Completed	24/01/2021
○ Define project detailed outline/planning	Completed	24/01/2021
○ Purchase, assemble and setup robot	Completed	31/12/2020
○ Test robot / Apply basic training algorithm	Completed	07/01/2021
○ Update deliverables/GitHub	In progress	Target – Monthly
• Requirements Management Phase	Completed	31/01/2021
○ Define use case/technical requirements	Completed	24/01/2021
○ Define Design Assurance requirements	Completed	31/01/2021
○ Define high-level architecture	Completed	31/01/2021
• Data Management Phase	In progress	31/03/2021
○ Prepare/print “runway” and “false target”	Completed	28/02/2021
○ Define Data Collection criteria	Completed	31/03/2021
○ Develop/test Data Collection interface	Completed	31/03/2021
○ Generate the datasets (training/validation/test)	In progress	30/04/2021
▪ Take the pictures	In progress	30/04/2021
▪ Annotate the pictures	In progress	30/04/2021
▪ Generate dataset compatible with training algo	In progress	30/04/2021
• Learning Process Management Phase	Not started	Target – 30/04/2021
○ Select key elements of the training algorithm(s)	Not started	Target – 30/04/2021
○ Select metrics to be used for the verification phase	Not started	Target – 30/04/2021
• Model Training Phase	Not started	Target – 30/04/2021
○ Train the model	Not started	Target – 30/04/2021
○ Validate model using the validation dataset	Not started	Target – 30/04/2021
• Learning Process Verification Phase	Not started	Target – 30/04/2021
○ Verify the operation of the model using the test dataset	Not started	Target – 30/04/2021
• Model Implementation Phase	Not started	Target – 30/04/2021
○ Develop “classical software” modules:	Not started	Target – 30/04/2021
▪ For inference model output filtering	Not started	Target – 30/04/2021
▪ For inference model monitoring	Not started	Target – 30/04/2021
▪ For guidance	Not started	Target – 30/04/2021
○ Develop software to be embedded on robot	Not started	Target – 30/04/2021
▪ Identify any transformation/optimization requirements	Not started	Target – 30/04/2021
▪ Implement transformation/optimization	Not started	Target – 30/04/2021
○ Install inference model and “classical” software on robot	Not started	Target – 30/04/2021
• Inference Model Verification Phase	Not started	Target – 30/04/2021
○ Verify inference model (behaviour/performance on the platform)	Not started	Target – 30/04/2021
• Requirements Verification Phase	Not started	Target – 15/05/2021
○ Assess system performance wrt to technical requirements	Not started	Target – 15/05/2021
○ Assess design process wrt to design assurance requirements	Not started	Target – 15/05/2021