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Project Data

Project Name	amos-ss2021-neural-network-enablement
Production system (if any)	
Test system (if any)	
GitHub repository	https://github.com/amosproj/amos-ss2021-neural-network-enablement
GitHub kanban board (project)	https://github.com/amosproj/amos-ss2021-neural-network-enablement/projects/2
Team T-shirt (white)	https://www.shirtinator.de/loadBasket/G2MEDOgLk4p
Team T-shirt (black)	https://www.shirtinator.de/loadBasket/aVPWvh3Dwht
Additional materials	

AMOS Proj6 - Planning Documents Project Team

Last Name	First Name	GitHub User Name	Email Address	Device
Ke	Yilin	yilinke	yilinke1995@gmail.com	
Winklmann	Philipp	PhilAce3000	philipp.winklmann@jct.de	
Chen	Xiangxiang	cynthiachen28	roxettekc@hotmail.com	
An	Qi	Emma-An94	787434822@qq.com	
Then	Maximilian	TheSayonara	max.then@yahoo.de	
Meier	Wolfgang	womeier	wolfgang.meier@fau.de	
kolan	Rajkumar Reddy	rajkumarkolan	rajkumar.kolan@fau.de	
Susmitha	Rachamreddy	ce52supi	susmi4356@gmail.com	

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Team Contract

Goals	Achieve our defined project mission
Meeting norms	Be there, if you cant come update your stuff. Be on time. Come prepaired.
Working norms	Think about group work. Be prepared for presentation/report on wednesday. Finish work on Tuesday.
Coordination norms	Be organized. Aks for help immediately if you are stuck (other teams, Scrum Master).
	Put ToDo-list on Teams.
Communication norms	Answer messages within 24 hours.
	PO: Communicate regularly and clearly.
Consideration norms	We discuss disagreement openly
	We vote for a final resolution
Cont. improvement norms	
Rewards	Congratulate person fixing a bug
	Buying celebration cards and get ice cream
Sanctions	Being 5 minutes late = 1€ in piggy bank
Name	Netella
Signed by	Everybody:)

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Role Assignments

#	Meeting Day	Comment	Coach	Product Owner	Software Developer	Scrum Master	Release Manager
1	2021-04-14		Yes	Maximilian	Everyone else	N/A	N/A
2	2021-04-21		Yes	Maximilian	Everyone else	Philipp	N/A
3	2021-04-28		Yes	Maximilian	Everyone else	Philipp	Wolfgang Meier
4	2021-05-05			Maximilian	Everyone else	Philipp	Xiangxiang Chen
5	2021-05-12		Yes	Maximilian	Everyone else	Philipp	Yilin Ke
6	2021-05-19			Maximilian	Everyone else	Philipp	Susmitha Rachamreddy
7	2021-05-26	Mid-term due	Yes	Maximilian	Everyone else	Philipp	Rajkumar Kolan
8	2021-06-02			Philipp	Everyone else	Maximilian	Qi An
9	2021-06-09			Philipp	Everyone else	Maximilian	tba
10	2021-06-16		Yes	Philipp	Everyone else	Maximilian	tba
11	2021-06-23			Philipp	Everyone else	Maximilian	tba
12	2021-06-30			Philipp	Everyone else	Maximilian	tba
13	2021-07-07		Yes	Philipp	Everyone else	Maximilian	tba
14	2021-07-14	Demo day!		Philipp	Everyone else	Maximilian	tba
15	2021-07-21	Retrospective		Philipp	Everyone else	Maximilian	tba

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Product Goal

Product Vision	Project Mission
The client's vision is to operate a web-based service that allows black and white photos and videos to be uploaded and viewed and downloaded in color. It also aims to improve the quality of the photo/video. The service is to be enabled by pre-trained neural networks and run on Huawei's own hardware.	The goal of the project is to implement a first version of the web server on the Altas 200 DK hardware. This is to receive photos and videos and feed them to the neural network provided for coloring. Afterwards the result shall be displayed. If time permits, a super-resolution network is to be added to the pipeline.

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Product Glossary

Term	Definition
tba	to be announced
NN	Neural Net
Backend	Server-part of the webservice: handles the images sent from the frontend, applies the colorization process (app.py)
Frontend	Client-part of the webservice: the user interface (everything in Webservice/static/ and Webservice/templates/)

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Mid-Project Release Tracking

	Theme		Feature Name	Est. Size (Feature)		Real Size (Feature)	Real Size (Sprint)	Burn- Down
2	Basic fro				7		9	92
		First steps for webs	ervice					
			#3 Create Webservice	3		3		
			#6 Webservice: Upload Picture	2		3		
			#8 Webservice: Present uploaded pictures	2		3		
3	Advance	ed frontend and first	work for backend		6		6	86
-		Improvement webse			_		-	
		, , , , , , , , , , , , , , , , , , ,	#5 Webservice: Setup and run scripts	3		3		
			#7 Webservice: Delete picture	3		3		
4	First step	ps backend			9		11	75
		Basic backend func	tions					
			#14 Pipeline: Load and store pictures/videos	3		3		
			#22 Pipeline: Connect Webservice to pipeline	3		5		
			#15 Pipeline: Splitt Video into pictures	3		3		
5	Advance	ements in frontend						
		Frontend			7			
			#9 Webservice: Colorization	5				
			#10 Webservice: Present the results	2				
				Burn-Down-	Chart			
				100 —				
				75 —				
				50 —				_
				50				
				25 ———				
				20				
				0 —				

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Mid-Project Release Tracking

#	Theme	Goal	Feature Name	Est. Size (Feature)	Est. Size (Sprint)	Real Size (Feature)	Real Size (Sprint)	Burn- Down

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Final Project Release Planning

#	Theme	Goal	Feature Name	Est. Size (Feature)	Est. Size (Sprint)	Real Size (Feature)	Real Size (Sprint)	Burn- Down

AMOS Proj6 - Planning Documents Impediments Backlog

Sprint	Status	Source	Impediment	Resolution
1	Resolved	github	missing push rights	contact Prof. Riehle
				Distribution via pick up at Prof. Riehle's chair or shipping
2	Resolved	hardware	distribution of hardware needs a loancontract	via mail
3	In-work	project team	answers are not there or too late	answer to questions within 24 hours
4	Resolved	project team	there is no communication after a method's interface which is important for the whole team is changed	
5	Created	Atlas 200 DK	SD card is not detected	
6	Created	acl toolkit	cannot be imported	
7	Created	source code	every SD needs to test his/her code before push	
8	Created	9th team member	He is not in any of the meetings and not doing any work	

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Definition of Done

#	Feature Definition of Done	Sprint Release Definition of Done	Project Release Definition of Done
1	All Acceptance criteria met	Testcoverage > 50%	Testcoverage > 80%
2	Documentation completed	Feature DoD is met	Functional test passed
3	Code formatting check: green	No previous code got broken	Integration testing passed
4	Peer code review passed	Unit tests	

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Documentation

Type	Link / reference

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Bill of Materials

1	Context	Name	Version	License	Comment
1	Webservice backend	flask	1.1.2	BSD-3-clause (BSD-new)	
2	Webservice frontend	tailwindcss	2.1.2	MIT	
3	Webservice frontend	dropzonejs	5.9.2	MIT	
4	Webservice frontend	jquery	3.4.0	MIT	
5	Webservice frontend	toastify-js	1.11.0	MIT	
6	Webservice frontend	fontawesome-free icon	5.0.13	CC BY 4.0	
7	Webservice frontend	heroicons icon	1.0.0	MIT	
8	OS	Ubuntu	18.04	GPL	GPL ok, we don't redistribute it
9	Developer board	Atlas 200 DK	1.73.0.0		
10	Pipeline backend	Python	3.7.5	GPL	GPL ok, we don't redistribute it
	Toolkit package	Ascend Toolkit	20.0.RC1- arm64- linux_gcc7. 3.0 20.0.RC1- x86_64- linux_gcc7.	GPL	GPL ok, we don't redistribute it
	Toolkit package	Ascend Toolkit	3.0	GPL	GPL ok, we don't redistribute it
	Toolchain platform	Mind Studio	2.3.3		
14	Suggested colorization code	Sample colorization	2020-11	Apache 2.0	

AMOS Proj6 - Planning Documents Planning Poker

Last Name	First Name	Value			
Ke	Yilin		TUIVI	TUIVI	
Winklmann	Philipp		0!	0!	
Chen	Xiangxiang		U	U!	
An	Qi				
Then	Maximilian		0	No effort	
Meier	Wolfgang		1	Minimal effort	
kolan	Rajkumar Reddy		2	Small effort	
Susmitha	Rachamreddy		3	Medium effort	
			5	Large effort	
			8	Very large effort	
			13	Too large effort	