	Feb		Mar				Apr					May								Jun				Jul																Aug									
Milestones	19	26	04	11	18	25	01	08	15	22	29	04	05	06	07	08	13	20	27	03	10	17	24	01	08	13	14	15	16	17	20	21	22	23	24	27	28	29	30	31	03	04	05	06	07	10	11	12	13	14
1. Project Plan																																																		
2. Initial Implementation of the CNN																																																		
3. Operating System set up																																																		
4. Working Implementation of the CNN																																																		
5. Back-End implemented																																																		
6. System verified																																																		
7. Demonstrator fully set up																																																		
8. Bachelor Thesis and Working Repository																																																		

		Feb		Mar				Apr					May								Jun				Jul																Aug									
Process	**MH**	19	26	04	11	18	25	01	08	15	22	29	04	05	06	07	08	13	20	27	03	10	17	24	01	08	13	14	15	16	17	20	21	22	23	24	27	28	29	30	31	03	04	05	06	07	10	11	12	13	14
1. Administration	**240**																																																		
1.1 Project Plan	26		10	16																																															
1.2 Bachelor Thesis	214					4	4	4	2		2						2	2		8							3	8		3	8	4									16	16	16	16	16	16	16	16	16	16
2. Training	**151**																																																		
2.1 Research	37	8	3			6	6	6								4	4																																		
2.2 Determine CNN Architecture	36								8		8	8									4					4			4																						
2.3 Define Training Dataset	5												2								1					1			1																						
2.4 Train Model	28												6	8	8						2					2			2																						
2.5 Verify Accuracy	45															4	4	8	8		1	8				1	5		1	5																					
3. Inference	**329**																																																		
3.1 Research	75																																																		
3.1.1 Toolchain and Operating System	51	8	3		16	6	6	4					8																																						
3.1.2 Resource Allocation (PL, Memory)	12																6	6																																	
3.1.3 Inference API	12																		4	4							4																								
3.2 Set Up Operating System	22							2	6		6	8																																							
3.3 Implement DPU IP	28													8	8	8															4																				
3.4 Implement Control System	36																		4	4	8	8				8					4																				
3.5 Implement Image Acquisition	16																										4	8	4																						
3.6 Verification	48																																																		
3.6.1 Performance	32																												4	8		12	8																		
3.6.2 Accuracy (Compared to 2.5)	16																																	8	8																
3.7 Implement User Interface	40																																8	8	8	16														
3.8 Reserve Time	64																																				16	16	16	16											
Total	**720**	16	16	16	16	16	16	16	16		16	16	16	16	16	16	16	16	16	16	16	16			16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16

Holidays

Exams

Holidays

Exams