					Timeline											
# Task Nar	me Task Description	Duration/ Frequency	Start	ETA	11.19 - 11.26	11.26 - 12.03	12.03- 12.10	12.10 - 12.17	12.17 12.24.	Break	12.31 01.07.	01.07 - 01.14.	01.14 01.21.	01.21 01.28.	01.28 02.04.	02.05
1 Project Initiation		1 week	11-19-2020	11-26-2020	1 Initiation											
1.1 Form Team	Form a team of size two from the students in the class	1 week	11-19-2020	11-26-2020												
1.2 Identify Stakeholders	Check who is grading the work	1 week	11-19-2020	11-26-2020												
1.3 Write Project Charter	Define the goal of the project in text form	1 week	11-19-2020	11-26-2020												
2 Planning		2 weeks	11-26-2020	12-10-2020		2 P.	lanning									
2.1 Create Project Plan	Create a document planning the structure of the project	1 week	11-26-2020	12-03-2020												
2.1.1 Define Requirements	List the requirements, their interdependencies and constraints	2 days	11-26-2020	11-27-2020												
2.1.2 Define Scope	Write a scope statement. What is included in the project? What is excluded?	2 days	11-26-2020	11-27-2020												
2.1.3 Create Schedule	List, sequence and assign work packages	3 days	11-30-2020	12-03-2020												
2.1.4 Define Quality	Define quality standards in the dimensions performance and code quality	1 week	11-26-2020	12-03-2020												
2.1.5 Manage Communication	Setup version control and regular communications channels	1 week	11-26-2020	12-03-2020												
2.2 Define Software Stack	Come to an agreement on what software is used for which components and how they intersect.	1 week	12-03-2020	12-10-2020												
2.2.1 Test Alternatives	Test out alternatives for each software component.	1 week	12-03-2020	12-10-2020												
3 Execution		1 week	12-10-2020	01-28-2021				3 Exec	ution			c	ont.			
3.1 Implement Key Expansi	ion Imlementation of the key schedule in the AES Algorithm	1 week	12-10-2020	12-17-2020												
3.1.1 Compute Round Constan	write code that computes the round constants used in the G function of the key schedule.	1 week	12-10-2020	12-17-2020												
3.1.2 Compute SBox	Write function that computes the SBOX lookup table.	1 week	12-10-2020	12-17-2020												
3.2 Implement Encryption	Implement the encryption functionality with a given input and key	3 weeks	12-17-2020	01-14-2021												
3.2.1 Implement Round	Write functions for each part of an encryption round in AES. (Byte Substitution, ShiftsRows, Mix Columns, Add-Key)	3 weeks	12-17-2020	01-14-2021												
3.2.2 Documentation	Document all functions written in 3.2.	3 weeks	12-17-2020	01-14-2021												
3.3 Implement Decryption	Implement the decryption functionality with a given input and key	3 weeks	12-17-2020	01-14-2021												
3.3.1 Implement Round	Write functions for each part of a decryption round in AES. (inverse Add-Key, inverse MixColumns, inverse ShiftRows, inverse ByteSub)	3 weeks	12-17-2020	01-14-2021												
3.3.2 Documentation	Document all functions written in 3.3	3 weeks	12-17-2020	01-14-2021												
3.4 Implement Interfaces	Implement the interface code between components from 3.1, 3.2 and 3.3	2 weeks	01-14-2021	01-28-2021												
4 Monitoring		continuous	-	-			4 Mon	itoring					cont			
4.1 Present Progress	Prepare and hold regular progress presentations	biweekly	-	-												
4.2 Validate Scope	Validate that all WPs are in scope. Monitor scope creep.	weekly	-	-												
4.3 Verify Requirements	Verify that WPs meet the requirements.	weekly	-	-												
4.4 Validate Quality	Validate the performance and code quality of WPs	weekly	-	-												
5 Closing		1 week	01-28-2021	02.04.2021											5 Closing	
5.1 Deliver Software	Deliver the final code files in one archive	1 week	01-28-2021	02.04.2021												
5.2 Deliver Documentation	Deliver the written thesis and documentations digitally and in print	1 week	01-28-2021	02.04.2021												
5.3 Demonstrate Software	Prepare and hold a demonstration of the software	single day	02.04.2021	02.04.2021												
5.4 Present Final Result	Present the functionaly and code to the stakeholders	single day	02.04.2021	02.04.2021												