Design Requirement Form

Date:	
Design Project Title:	Hardware and Hackers
Team Name:	Ma'Am
Team Advisor	Dr. Michaela Amoo
Team Assistant	Madiha Gul
Project's Long Term Goal	Build well secured autonomous devices that will perform specific tasks. Those devices will be hacked in order to increase the hardware
Project's 2017-2018 Academic Year Goal	2017-2018 Academic year goal is to build an autonomous car with an installed hardware security and a specific platform design.
Team Members (Design Class)	Obinna Okonkwo, Isaac Mbappe
Team Members (Others)	Hakeem Thomas(EE, Jr), Stephen Young(EE, Jr), Azeezah Muhammad(CS, Fr), Rahmana Muhammad(CS, Fr), Faith Adegbenro(EE, Fr), Cameron Lewis(CPE, Jr), Olaide Afolabi(EE, Fr), Olaoluwakitan Ajani(EE, Fr),

Requirements	Descriptions	Source
Background (NEED)	More than 1.5 million new incidents of mobile malware have been detected by McAfee Labs in the first quarter of 2017- for a total of more than 16 million mobile malware incidents. Hardware	CSO from IDG
Objective (Problem)	Should issue a warning and should provide an automatic counter measure to prevent the device from being hack.	
Performance	The hardware security should: .Perform a selt-test that checked all majors components of the devices operate within 30 seconds of starting the device, and relay the results to the user. .Be able to protect contents of the device without losing any of them. .Should come up with a counter attack to destroy the attacker process.	Class Sample
Cost	Based on its efficiency, the cost will vary.	
Safety	.the hardware security must adhere to the component safety standard (operating smoothly, ability to recover data, etc)	

Compliance	The device should be able to obtain the CE certificate, so it will various tests for its compatibility and efficacy.	
Energy, Power, and Environment	Should not required too much power from the device and bring any danger toward the environment if being damaged.	
Intellectual Property	Should not disrupt the software security protocol or any other security protocols.	
Size and Weight	That microprocessor can be 10mm long and 7mm wide. And approximately 0.5lb	
Deliverables	A prototype which evaluates the desired functions and performances	