Design Requirement	
Date:	October 25, 2021
Design Project Title:	Memory Foresenic
Team Name:	DOPE INOVATION
Team Advisor	Hassan Salmani
Team Assistant	N/A
Project's Long Term Goal	Identifying a memory foresenic tool that best identify & investigates cyber attacks
Project's Current Academic Year Goal	Define & Develop the tool requirements & capability comparison → Memory Tool Capabilities Analyses
Team Members (Senior Design Class)	Davia McKenzie -Obi Ogun Patience Jato Roli Bolorunfe
Team Members (Others)	N/A
1-Sentence Problem Statement	Since commonly known attack methods have become increasingly sophisticated, we must help determine which memory forensic tool provides the best physical memory coverage against those common attack methods in order to support & secure operational environments.

Requirements	Items	Descriptions
1. Product Specification (or <u>Software Requirement Specification</u>)	OS	Windows 10 Compatibility
	Processor	1 GHz or 2.5 GHz Dual Core processor
	RAM	2 GB for 32 bit or 4-G GB for 64 bit
	Hard disk	20 GB for 32 bit OS, 40-80 GB for 64 bit
	Graphics card	DirectX9 or later w/ WDDM 1.0 driver
	Display	800×600 to 1920×1080
	AXIOM tool	Memory Analysis tool that allows users to identify malware
2. Contraints	Cost	$25,000
	Time	Deadline: May 2021 to complete findings & methodologies
	Environmnetal and Social Responsibility	- Axiom tool should be able to produce an output that can be understood by a human foresenic analyst - The result should be actual data

3. Compliance to regulations and standards	Standard / Rugulations	• National institute of Standards &Technology (NIST) • Computer Forensic Tool Testing (CFTT)
	Standard	• Lockheed Martin Cyber Protection Strategy. • United States Cyber Command
	Patent Intellectual Property	• Lockheed Martin ↳ Memory Foresenic tool/software