# PROBLEM STATEMENT FORM

Date: October 25, 2021

| Team Name | DOPE INOVATION | | |
|---|---|---|---|
| Project Title | Memory Forensics | | |
| Faculty Advisor | Hassan Salmani | | |
| Graduate Assistant | N/A | | |
| **Members** | Senior Design Class Students | Davia Mckenzie | | |
| | | Patience Jato | | |
| | | Roli Bolorunfe | | |
| | | Obi Oguh | | |
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| | Other students | | | |
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| Project's Long-Term Goal | Identifying a memory foresenic tool that best identify & investigates cyber attacks | | |
| Project's Goal for Senior Design Class | Define & Develop the tool requirements & capability comparison → Memory Tool capabilities Analyses | | |
| **Project's Problem Statement** | Needs Staments | • There is a need for coverage against cyber attacks | | |
| | | • There is a need to Identify common methods of attack | | |
| | | • There is a need for memory forensic tools for physical memory coverage & their benefits | | |
| | | • There is a need to provide security & support for secure operational environment | | |
| | Benefit Statements | • Will provide tools to provide security against attack methods | | |
| | | • Will provide methods to tackle common cyber attacks | | |
| | | • Will provide a comparison model for the memory foresenic tools that will layout pros, cons, & effectiveness | | |
| | | • Will provide secured environments for operations | | |
| | Combined 1 sentence Problem Statement | Since commonly known attack methods have become increasingly sophisticated, there is a need to create a secure operational environment by identifying the commonly known attack methods and identifying the best method of the memory foresenic tools for the physical memory coverage through compare & contrast. | | |