

SPL1 Project Proposal Form, 2022
Institute of Information Technology (IIT)
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Project Description: Malware detection system Malware, short for “malicious Software” refers to any intrusive software by cybercriminals to steal data and damage computers. Malware detection system is used to detect malware in a particular file. It is crucial because it functions as an warning system for the computer secure regarding malware and cyber attacks. Accordingly, the program will take a file as input and check whether the file is containing malware or not. Every file is going to be scanned, there will be generated a hash first. Once that hash is generated, the malware detector will try to match hash with its own file; that file should contain hashes of known malicious files. If there is found a match, then this will be sure that the file contain malware. There are two algorithms that will be involved in this project- 1.A hash algorithm. For example- SHA-256, SHA-512 2.A efficient searching algorithm. For example- KMP, Robin Karp Algorithm				
Languages or Tools to be used: C, C++, visual studio, git, Github				
Supervisor's Name: Moumita Asad Signature of the supervisor: Date: 04.01.2023				