

**Evaluation-0**

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**Project name: Malware Analysis and detection**

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**Problem definition:**

How to get protected from viruses and malware.

**Group information:**

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**Objective**:

* Analysing and Detecting the Malware using self-made tool in python language.
* Developing the UI in Android Studio.

**Scope**:

* Gain unmatched global threat intelligence to strengthen front line defences.
* Rapidly detect, respond to, and remediate malware.

**What are the challenges**:

* The malware analysis requires very deep knowledge of Machine Learning.
* Creating a tool requires deep concept of function, strings, arrays, built-in libraries of Python.
* Understanding and analysing the algorithm of working of malware.
* A good knowledge of Android Studio is required.
* Implementing the python code in android.

**Software requirements:**

* VS-Code (IDE)
* Python 3.8
* Android Studio (IDE)

**Hardware requirements:**

* 64-bit Microsoft® Windows® 8/10
* x86\_64 CPU architecture; 2nd generation Intel Core or newer, or AMD CPU with support for a Windows Hypervisor
* 8 GB RAM or more
* 8 GB of available disk space minimum (IDE + Android SDK + Android Emulator)
* 1280 x 800 minimum screen resolution
* No Graphics Card is required