** **

**PROJECT PROPOSAL**

ANDROID NETWORK SNIFFER

Bachelor of Computer Science (Digital Systems Security)

**Team SSP19/2B**

*Kan Kar Jun Alvin 5709659*

*Liao Weisheng Wilson 6212591*

*Nyein Soe 5710959*

**Supervisor**

*Mr. Premarajan P*

**Project Website**

[*https://android-network-sniffer.webnode.com/*](https://android-network-sniffer.webnode.com/)

**Contents**

1. Android Network Sniffer

1.1. Objective

1.2. Introduction

2. Network Sniffer

3. How does it differ from other existing network sniffing tools

4. Research Conclusions

5. Implementation(proposal)

6. Project Timeline

7. Roles and Responsibilities

8. Team Members Profiles

9. References

1. **Android Network Sniffer**

**1.1. Objective**

The objective of this project is to create a network sniffer in an Android OS, where the program is able to listen to the network communication and break down the packets to readable format. For instance, a WEP program crack can be implemented to provide a more robust implementation.

**1.2. Introduction**

In general, network sniffing involves using sniffer tools that enable real-time monitoring and analysis of data packets flowing over computer networks. It can be a hardware device or a separate software program or a combination of both. It is also called as packet sniffing, snoop, network probe, packet analyzer, network analyzer, or protocol analyzer. Basically, it examines traffic on the network and takes snapshot copies of the packet data.

**2. Network sniffer**

**3. How does it differ from other existing network sniffing tools**

**4. Research Conclusions**

**5. Implementation(proposal)**

**6. Project Timeline**

**7. Roles and Responsibilities**

|  |  |
| --- | --- |
| **Name** | **Roles/Responsibilities** |
| NYEIN SOE | Team Leader, Researcher, Implementation Designer, Tester |
| LIAO WEISHENG WILSON | Lead Developer, Implementation Designer, Tester |
| KAN KAR JUN ALVIN | Backup Developer, Implementation Designer, Planner, Technical Writer |

**8. Team Members Profiles**

|  |  |  |  |
| --- | --- | --- | --- |
| **Student Number** | **Name** | **Phone Number** | **Email Address** |
| 5710959 | NYEIN SOE | 90721870 | nyeinsoe.wayne@gmail.com |
| 6212591 | LIAO WEISHENG WILSON | 97591961 | z.irashi.z@gmail.com |
| 5709659 | KAN KAR JUN ALVIN | 98346884 | xalvin.k@gmail.com |

**9. References**