I. IDENTIFICATION DATA

<table>
<thead>
<tr>
<th>Thesis name:</th>
<th>Execution, Analysis and Detection of Android RATs traffic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Author’s name:</td>
<td>Kamila Babayeva</td>
</tr>
<tr>
<td>Type of thesis:</td>
<td>Bachelor Thesis</td>
</tr>
<tr>
<td>Faculty/Institute:</td>
<td>Faculty of Electrical Engineering</td>
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<tr>
<td>Department:</td>
<td></td>
</tr>
<tr>
<td>Thesis supervisor:</td>
<td>Sebastian Garcia</td>
</tr>
<tr>
<td>Supervisor’s department:</td>
<td>Computer Science</td>
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</tbody>
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II. EVALUATION OF INDIVIDUAL CRITERIA

**Assignment**

_Evaluation of thesis difficulty of assignment._

The assignment of this thesis was very challenging because there is a lack of RAT malware in the community and therefore it took great lengths to get the dataset ready. Also, detecting RATs in the network is the most challenging of all malware detections.

**Satisfaction of assignment**

_Fulfilled_

_Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming._

The work was completely fulfilled to the expectations.

**Activity and independence when creating final thesis**

_A. Excellent_

_Assess that student had positive approach, time limits were met, conception was regularly consulted and was well prepared for consultations. Assess student’s ability to work independently._

The student showed independence while doing the thesis, with a positive approach to solving problems, and always ready for the consultations. She was able to learn how to work independently in a great degree.

**Technical level**

_A. Excellent_

_Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience._

1/2
The level of the bachelor thesis included a large amount of learning, preparation and insight. The student needed to understand each RAT, its working, implementation and code. This was supplemented by good use of sources, materials and even the community.

**Formal and language level, scope of thesis**  
A. Excellent

*Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.*

The thesis uses correct formal notation and its English is good.

**Selection of sources, citation correctness**  
A. Excellent

*Present your opinion to student’s activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.*

All the sources were correctly cited and the study materials were referenced. All relevant sources were used. The results done by the student are correctly differentiated from the previous work.

**Additional commentary and evaluation**

*Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.*

All the primary goals of the thesis were achieved and the student showed great technical capacity to solve the problems. For a topic that is hard, the student showed very good work and resolution. The level of results was good and with an output that will be of use to the community. Already for a bachelor thesis, the student presented in 3 security conferences and published 8 blogs on the topic, showing a very good publication track. The dataset created has been already downloaded ~800 times. The student gained knowledge and understanding of the security problems and community.

### III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

I evaluate handed thesis with classification grade **A**

Date: **June, 06th, 2021**

Signature: