

Assignment of CMIENS01TO (2014-15 K1)

The assignment

- A) Topic: A project of your ENS minor (preferably) or over a specific aspect of mobile apps security
- B) Find 15 relevant scientific papers (most of which from IEEE, ACM, Springer, ... conferences and journals)
- C) Read all 15 papers in details
- D) Write four sections
 - (I) Introduction
 - (II) Related work
 - (III) Background
 - (IV) References

Language: Either Dutch or English

I - Introduction section

The following three topics should be addressed here (don't make subsections about them, i.e., don't introduce subsection headers).

1) Problem statement (a)

- 3-6 paragraphs (one or two paragraphs per item below)
- What is **the problem** that the research will address?
 - o In about two sentences say what is going wrong
 - o Mention who says so: Give the references supporting the presence of the problem and briefly describe the nature of that support
- How, where, and when is(are) someone(s) or organization(s) affected by the problem negatively
 - o In about two sentences describe the **impacts (in terms of money, time, convenience, efficiency, ...)** of the problem,
 - o Mention who says so: Give the references supporting the presence of the impact(s) and briefly describe the nature of that support
- Why does that problem exist?
 - o In about two sentences identify the cause (or conceptual basis) of the problem, why the problem is **not solved yet**.
 - o Mention who says so: Give the references supporting the conceptual basis of the problem and briefly describe the nature of that support

2) Contributions (b)

In 2 or 3 paragraphs describe

- Research objectives
- Research questions
 - o Main question
 - o Sub-questions
- Importance of the work

- One may put the “... {subject}, ...{question}, ...{objective}” part in highlight (e.g., italic, a text-box, ... see (Rijkuniversiteit Groningen, 2012b))

3) The research methods used in a short paragraph

4) Outline of the rest of the paper/report (which are three sections for this assignment)

Apply overall the IEEE style of in-text citation correctly

II - Related work section

- Choose 5 papers out of the 15 papers you have found
- Write one or two paragraphs for each paper of the 5 papers chosen
 - Describe what the paper has done, specially from the perspective of your assignment's topic (~50%)
 - Describe the strengths and weaknesses of the paper in your own words and judgment (~20%)
 - Mention how the paper(s) can be related to your work, i.e., the work of this assignment (~30%)
 - Mention how much your work is similar/related to the paper and, if applicable, which aspect(s) you have done differently or more effectively, better, ... than the paper
- Apply overall the IEEE style of in-text citation correctly

III - Background section

- Choose **at least** 5 of the 15 papers you have found about your topic
- Write 1.5 – 2 A4-pages about the topic of your assignment based on these 5 papers in the background style
- Apply overall the IEEE style of in-text citation correctly

IV - Reference section

- Use the IEEE reference style (as mentioned in (Graffox 2009))
- Pay careful attention to the syntax for each category of books, articles in journals, articles in conferences/workshops, reports, webpages, web articles,
- Pay attention to the appearance
- The reference list must include at least 15 references (i.e., all of the papers you will find)
 - Note: You maybe do not need to cite all of these in the text

Evaluation scheme (general aspects)

Based on the criteria in the modulewijzer of 3/9/2013 and according to the following scheme:

- 3 homeworks (5% bonus)
- Report (100%), of which approximately
 - List of references (15%)
 - In text citation (5%)
 - Introduction (30)
 - Related work (25%)
 - Background (25%)
- End result: A grade in [1, 10]

Note: For details see the slides of the session 4 on 26 September 2014 and pay special attention to the slides with a green background.

Final assignment delivery **deadline 03/11/2014 (> 5 weeks)**

- **Delivery: Via email AND on paper (name, ID, education)**