

## Assignment 1 – Survey/Questionnaire (MAX 5 pages)

Assignment 1 is due February 9 (Monday), 2015 at 8.00am

Compose a survey study (where questionnaire is the data collection method) based on based on a SE topic that interests you. Describe the purpose of your survey, population and size of population, instrument used, content areas addressed, scales, variables in the study and validity issues.

Create questions and create an online questionnaire (e.g. google doc, soSci), collect data, write report. Here is a list of online questionnaires that you may want to use: <http://oerich.wordpress.com/2013/06/26/online-questionnaires/>

Peer-review other groups' assignments, give feedback (both oral and written)

### The Report

The report **must** have the following sections and content. It **must** be formatted using the IEEE Conference Proceedings format (available on the course homepage). **NOTE! You should spend most of your effort in the methodology section!**

#### 1. Introduction

1. Statement of the problem
2. Existing literature of the problem
3. Why it is important to conduct research about the problem
  - For the above three items, a minimum of 5 trustworthy references (in total) must be used when describing the problem, why it is important etc.

#### 2. Purpose of the study

- Purpose statement (concise and clear) leading into RQ(s)
  - i.e. describe the purpose of your survey/questionnaire

#### 2.1 Research question

- State a clear and concise main research question that will be investigated
- State another one or two sub research questions related to the main RQ.

#### 3. Methodology

- Describe and explain the research strategy (i.e. Survey/Questionnaire) and investigation methods that will be used for the study. Motivate your choice of survey/questionnaire using relevant references.
- Describe data collection procedures, sampling method(s), number of subjects, response rate etc.
- Create questions for your survey (include the questions in your report)
- Describe the population and size of population
- Describe and motive method for analyzing the data
- Discuss validity threats

#### 4. References

- Use one referencing style in the report. Be consistent with how you use it. Recommended to use the style in the IEEE template

## **Acknowledgement**

- Write who is responsible for what part

## **Peer-review and discussion**

Be prepared to read and give constructive feedback to each others' work.

**Maximum 1 page** (given during seminars)

### **Criteria for judging the assignment:**

- **Purpose statement** - is the central purpose of focus of the study clear?
- **Relevance** - is the stated research questions relevant? Does it address a real problem?
- **Suitable research design** - is the selected research design suitable to answer the RQ? IS the research design justified?