

## Presentation 1: Topics on Maintenance & Evolution of Software Systems

Due date: 02/18/2020

### Brief

In this assignment, you will investigate a topic related to the Maintenance and Evolution of Software Systems (MESS). The topics are part of the foundations of this area and have been randomly assigned. You will present the results of your investigation to your classmates during class.

When preparing your presentation, consider that the goals of this activity are:

- i. To introduce students to some of the most important aspects of MESS;
- ii. To provide each student an opportunity to become intimately familiar with one topic of MESS; and
- iii. To provide students with experience in reviewing scientific literature, oral presentations, and answering questions.

*Read carefully this document before proceeding!*

### Topic assignment

Topic	Student
Laws of software evolution	Ashton
Program comprehension/understanding	Brent
Change and defect management	Binh
Software reuse	Jarret
Release engineering	Jyothsna
Software modernization	Rodolfo
Software product lines	Suraj
Modern code review	Joseph
Pair programming	Glade
Technical debt in software	Osman
Software repair	Brendan

### Deliverables

The deliverable of this assignment is a report of your investigation in the form of a video presentation. The length of the presentation should be  $10 \pm 3$  minutes.

There are two options to submit the video:

- Upload it to YouTube or any similar website and submit its link through Canvas.
- Submit the video directly to Canvas.

The video presentations will be shared as discussions via Canvas. You are expected to watch all of them and to contribute to the discussions by:

- Asking questions or making comments on other students' videos.

- Replying the questions that other students have asked in your videos.

The videos may also be played during the on-campus lectures.

## Notes

- Both slides and presentation are graded in this assignment. Form, content and delivery count.
- References for your sources of information are required.
- Points will be deducted for this assignment if:
  - The submission requirements are not met.
  - You are late with the submission.
- You will not get credit for this assignment if:
  - You do not submit the deliverables.