Universiti Malaysia PAHANG	**COURSE: FORMAL METHODS**			**MARKS**: /100
	TOPIC: Introduction to Formal Methods		**CODE**: **BCS 2213**	
	ASSESSMENT: Research Work	**NO: 1**	**DURATION: 2 Weeks**	

STUDENT'S INFORMATION

MATRIC NO : _____ **Name :** _____

Instructions

1. This is ***individual*** tasks. This assignment will bring 5% from your coursework mark (incl. 2% – quality of report, 3% – quality of presentation and answers on questions).
2. Presentation / defense will be on our labs and on lecture on 17, 18 March 2015.
3. Late submission is not allowed.

The Question

Introduce one from any formal methods (e.g. specification language, theorem proving or model checking tool)

What you need to do

1. Write the report in Word with the length between 5 – 7 pages.
2. Formatting - 1.5 spacing, New Times Roman, A4 paper.
3. Figure/table: only relevant figure/table will be considered.
4. Your references should include different types of resources, e.g: a conference/ journal paper, books, whitepaper, internet sources etc.
5. Write your report as following sections:
    a. Title page
    b. Abstract
    c. Introduction
    d. Literature Review/Background
    e. How it is works and why it is needed?
    f. Sample/Implementation (please show here some coding or a formal model. Please be sure you really understand what you present here).
    g. Conclusion
    h. References
6. Prepare corresponding to your report short PowerPoint presentation (5-7 slides).
7. Duration of your presentation is only **3 minutes** and **1-2 minutes QA session**. Note, most of the marks you will have if you may explain – *how its work and why this FM approach/language is needed*.

Universiti Malaysia PAHANG	**COURSE: FORMAL METHODS**		**MARKS**: /100
	TOPIC: Introduction to Formal Methods	**CODE**: **BCS 2213**	
	ASSESSMENT: Research Work	**NO: 1**	**DURATION: 2 Weeks**

STUDENT'S INFORMATION

MATRIC NO : _____ **Name :** _____

Penalty

If any of students are caught in any cut n paste activities in completing this assignment, the lowest marks in the group will be divided with how many members include in.

The list of Formal Methods can be found at
http://en.wikipedia.org/wiki/Formal_methods

The list of Model checkers can be found at
http://en.wikipedia.org/wiki/Model_checkers

The list of Theorem proving methods and tools can be found at
http://en.wikipedia.org/wiki/Theorem_proving

It is your responsibility to choose the assignments in a way, it will not repeat (e.g. you make create a FB group on FM discussions).