



Semester I 2023/2024

Subject : System Analysis and Design (SECP 2613)
Task : **Academic Paper**
Due : 26/10/2023 (Thursday)
Submission : Upload softcopy short paper (in .pdf format) via e-learning

Group	Topics
1 & 5	System Analysis and Design
2 & 6	Past, Current and Future Trend in System Analysis and Design
3 & 7	History of System Analysis and Design
4 & 8	System Analysis and Design Method

Assignment 1 is a **GROUP ASSIGNMENT** (2-3 students per group).

Instruction:

- Students are required to prepare **IEEE SHORT PAPER**. Refer to the provided IEEE paper format for your reference. The short paper should be written using the provided IEEE paper template (Conference-template-A4.docx).
- The length of this short paper **SHOULD NOT EXCEED FOUR (4) PAGES**.
- The short paper should include abstract, keywords, introduction, main body (content) should discuss two (2) main parts (Comparative analysis of previous studies and opinions), conclusion and references. Create your own suitable title for your short paper. Moreover, you should format your short paper according to the given template for IEEE paper.
- The content of the short paper should include:
 - Comparative Analysis of Previous Studies
Do research on the most prominent area in System Analysis and Design (SAD) and write a detailed comparison and discussion. Focus on the following comparative points (However, you can identify other comparative points from different existing papers) including:
 - Author (s), year and citation (Column 1)
 - Their proposed solution (Column 2)
 - Weakness of their researches (Column 3)
 - Other columns if they are needed to be included
 - Opinions (Critical thinking)
Analyze the advantages and disadvantages of the related issues in SAD. Assuming you are required to select two (2) of the previous study, discuss your selections and opinions supported with strong arguments.

5. Learn how to cite references using IEEE Documentation Style (IEEE Citation Guidelines.pdf) and you have to cite at least four (4) references.
6. The short paper will contribute **10%** of the course assessment.
7. **PLAGIARISM** of the content is prohibited. If any of the content is known to be copied from other website/review/article/blogs, you will be given **ZERO (0) mark**.
8. You can get photos/information from other resources, but you must **include credits (in citation/link)** to the original owners.
9. The minimum references
 - a. 2 references from academic/technical paper, such as from Web of Science, Scopus.
 - b. 2 references from books
 - c. 2 from any source on academic paper.
10. Example of references
 - a. Ramakrishnan, S. (2012). System analysis and design. *J Inform Tech Soft Engg S*, 8, 2.
 - b. Huang, H. Z., & He, L. (2008). New approaches to system analysis and design: A review. *Handbook of performativity engineering*, 477-498.
11. Example of academic phase from <https://www.phrasebank.manchester.ac.uk/>

Rubric for IEEE Short Paper

Criteria	Excellent 10-7	Fair 6-4	Poor 3-0	WEIGHTAGE	MARKS
Structure: (Full mark: 10)	The paper consists ALL of the required components including titles, abstract, keywords, introduction, content (comparative analysis of existing tech and opinions), conclusion and references	The paper consists SOME of the required components	Most components are not included	10	<u> </u> X 10 10
Organization and Writing Style: (Full mark: 15)	The paper is well organized and has clarity of presentation	Moderate organization and presentation	Poorly organized and presentation with jumpy points	5	<u> </u> X 5 10
	The paper is easy to read, using the style of paragraph writing and the writing is clear concise	Moderate writing style	Difficult to read and the writing is confusing	10	<u> </u> X 10 10
Content: (Full mark: 35)	The paper adequately ties to the talk	The paper moderately ties to the talk	The paper does not ties at all to the talk	2	<u> </u> X 2 10
	The title adequately represents the content of the paper	The title moderately represents the content of the paper	The title does not represents the content of the paper	2	<u> </u> X 2 10
	The abstract accurately reflects the content of the paper	The abstract moderately reflects the content of the paper	The abstract does not reflects the content of the paper	2	<u> </u> X 2 10
	The purpose of the article is stated clearly	The purpose of the article is stated moderately	The purpose of the article is not clear	2	<u> </u> X 2 10
	The introduction adequately provides the necessary background information	The introduction moderately provides the necessary background information	The introduction poorly provides the necessary background information	2	<u> </u> X 2 10
	Comparative analysis of previous studies is constructed thoroughly by including all of the required comparative points	Comparative analysis of previous studies is constructed moderately by including some of the required comparative points	Comparative analysis of previous studies is constructed poorly by including very few of the required comparative points	10	<u> </u> X 10 10
	Advantages and disadvantages of the selected previous study were discussed thoroughly	Advantages and disadvantages of the selected previous studies were discussed moderately	Advantages and disadvantages of the selected previous studies were discussed in general (very shallow)	8	<u> </u> X 8 10

	All graphics (figures, tables, photos) are appropriate and adequate	Some of the graphics are appropriate and adequate	Very few of the graphics are appropriate	4	<u> </u> X 4 10
	The conclusions are accurate and supported by the contents	The conclusions are acceptable	The conclusions are not strong		
	The references are relevant with the content	Some of the references are relevant with the content	None of the references are relevant with the content	3	<u> </u> X 3 10
Attractiveness: (Full mark: 5)	The paper is of interest to the reader	The paper is acceptable to the reader	The paper is boring	5	<u> </u> X 5 10
Formatting: (Full mark: 15)	The paper is fully formatted according to IEEE paper template	The paper is partly formatted according to IEEE paper template	The paper is messy, does not formatted according to IEEE paper template	7	<u> </u> X 7 10
	The references are properly cited throughout text (follow IEEE citation guidelines)	Citations are presented with frequent inconsistencies or errors	No citations	4	<u> </u> X 4 10
	Length of paper = 4	Length of paper = 5 pages	Length of paper > 5 pages	4	<u> </u> X 4 10
Mechanics: (Full mark: 15)	The paper is free from grammatical or spelling errors	Some grammar or spelling errors but is acceptable	Very poor or too many grammar and spelling errors	15	<u> </u> X 15 10
Timeliness: (Full mark: 5)	Due on time	Due one day late	Due more than one day late	5	<u> </u> X 5 10
Total					/100