

EMERGENT COMPUTING TECHNOLOGIES

MINI PROJECT

Information:

This mini project should be done in a group of 3 or 4 students. The project is divided into a few tasks. All the tasks must be done together with the group members. Marks will be given based on the rubric that will be shared with the class.

A. Task 1 (PCp #1)

You are required to listen to the following talks and provide a **separate summary of each of the talk**. Each summary should be typed using MS Word in a maximum of one and a half page long. (Suggested font: Arial Narrow 11, 1.5 lines spacing).

List of talks:

1. <https://www.youtube.com/watch?v=kpW9JcWxKq0>
2. <https://www.youtube.com/watch?v=okXk4Bnz2Lc>
3. <https://www.youtube.com/watch?v=qhLvhyFLoWE>
4. <https://www.youtube.com/watch?v=4XLqdYZWq9I>

(The summary is to be submitted latest by **10th June, 2022, 11:59 pm via Ufuture**).

B. Task 2 (PCp #2)

The Covid-19 pandemic was an unexpected plague that hit the whole world without any warning. Its spread was fast and with massive fatalities. It affects our normal behaviour and all the nations imposed some forms of movement restriction order to contain the virus spread. Post-Covid-19, there will be changes in various aspects of how people behave and do things. A lot of the usual things that we do will change until we are confident that we are safe from Covid-19 infections.

In relation to IR 4.0, utilize your critical thinking and problem-solving skills to write in your own words, **an essay** on how IR 4.0 will give a new solution to the new normal on how people will conduct their daily activities may it be work, living standards, leisure, sports, commerce, and other things.

The essay should be typed using MS Word in a maximum of two and a half pages long. (Suggested font: Arial Narrow 11, 1.5 lines spacing).

(The essay is to be submitted latest by **24th June, 2022, 11:59 pm via Ufuture**).

C. Task 3 (PCp #3)

Select one of the areas below (one unique area for one group) :

- i. Agriculture
- ii. Education
- iii. Healthcare
- iv. Manufacturing

By adopting IR 4.0, prepare a proposal to develop a system in the above area that will improved the existing system or practises. Make sure your proposal clearly indicate your initiative or ideas, parties involved, and how the public would benefit from the idea.

Please also provide at least the followings:

- a) Solution overview
- b) System architecture
- c) Brief description of each element in the architecture
- d) Advantages of the solution

The proposal should be typed using MS Word with no maximum number of pages. (Suggested font: Arial Narrow 11, 1.5 lines spacing).

(The proposal is to be submitted latest by **15th July, 2022, 11:59 pm via Ufuture**).

D. Task 4 (PCp #4)

Prepare the necessary materials (presentation and video) to sell your ideas based on Task 3 (pitch your idea) to a group of panels. (Final Presentation will be conducted on **week 15 onwards**).