CB519
Continuous Learning

What we learnt so far

- CPM
- PERT
- Crashing
- LOB

What else can we learn

- A.I. In construction – Cost estimation and optimization
- Game theory in Construction
- Value Engineering
- Sustainable Construction
- Etc.

But what after that!

How can you learn when you graduate

Goal of the following weeks

Get students to engage in continuous learning

Objectives to achieve the goal

- Enable students to understand new problems
- Expose students to research and knowledge based resources to solve their problems
- Train students in presentation and report writing skills

General scheme of each topic

- Divide the class into groups of 3-4 students
- A quick introduction on the topic by the lecturer
- Introduce couple of papers that will help students to understand the topic
- Students will prepare a presentation on the topic for the following week.
- A report is due by each group at the end of each topic

Presentation evaluation

- A group (or more) will be selected at random to present the topic
- The evaluation will take place for both the students giving and receiving the presentation.
- The presenters should be well-dressed and organized

Tips on presentation

- Use 5X5 or 6X6 rule
- A presentation is a summary not a report
- Figures are most welcomed, but should be readable
- Animation is unencouraged

Tips for report

- Reports should be in English

- Reports should have citation

  Example "*it is confirmed that the facility layout impacts the selection of the handling device (Co et al. 1989)*".

- Reports should have a reference list

  Example

Aiello, G., Enea, M., and Galante, G., 2006. A multi-objective approach on facility layout problem by genetic search algorithm

and Electre method. Robotic and Computer-Integrated Manufacturing, 22 (5–6), 447–455.

Alvarenga, A.G., Negreiros-Goms, F.J., and Mestria, M., 2000. Meta-heuristic methods for a class of the facility layout problem.

Journal of Intelligent Manufacturing, 11 (2), 421–430.