

GE-106

CRN: 91863/4/5

First Semester 1444H (Fall-2022) – 2(2,1,2)
“Introduction to Engineering Design”

Sunday, October 23, 2022 (27/03/1444H)

Homework 3 – Poster

#	Names:	Student Numbers:
1.		4
2.		4
3.		4
4.		4

The poster homework is evaluated according to the following criteria:

1. **Header information:** title, names, affiliation, course information, etc.
2. **Footer information:** continuation of header, acknowledgements, references
3. **Introduction:** overview of project (bullets); problem statement
4. **Need Analysis:** what? how? why? market survey, etc. (bullets, short phrases)
5. **Objectives:** primary and secondary (bullets)
6. **Problem formulation:** constraints, criteria, specifications, required information
7. **Human factors:** anthropometric, ergonomic, physiological, psychological
8. **Creativity and concept generation:** e.g. brainstorming and morphological analysis
9. **Concept evaluation:** scenarios, weights and rates method, scores
10. **Final design:** sketch with full, labeled details
11. **Project planning:** Gantt chart
12. **Summary:** main contribution of design (one phrase)
13. **Overall:** poster design, layout and format, contrast, colors, font, language, etc.

Rules:

- You should work with your **project group** for this assignment.
- Your work must be **typed** and written in **proper English**.
- Due date: **Sunday, October 30th, 2022 (05/04/1444)**