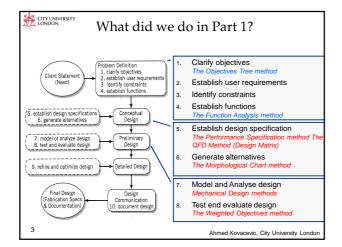


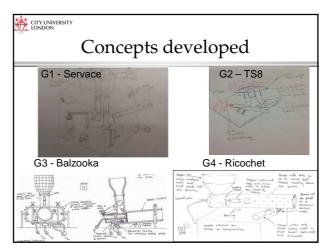


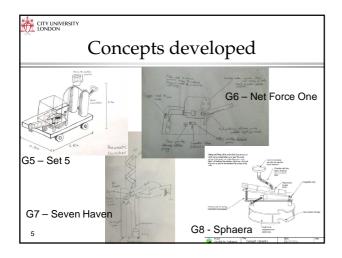
Plan for today

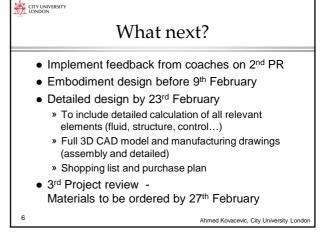
- Review of term 1 (15 min)
 - » What is expected in term 2...
- Presentation from technical staff (40 min)
 - » Manufacturing schedule and principles
 - » Materials provided to teams
 - » Control system
- Lecture Embodiment design (35 min)
- Q&A (10 min)

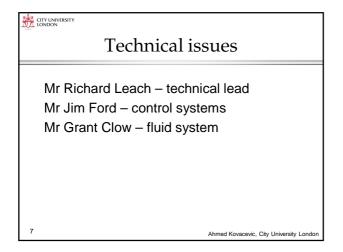
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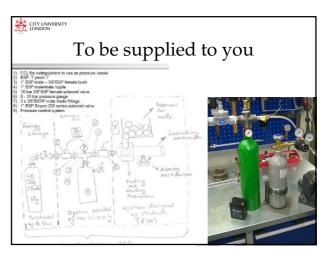


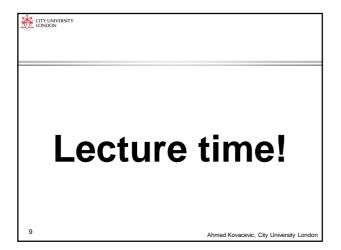


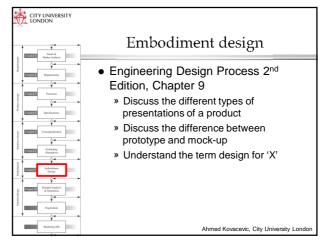


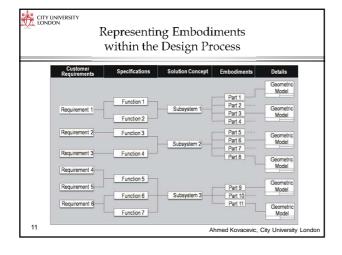


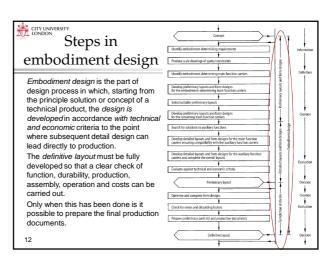














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Product documentation

- Sketches Conceptual design
- Assembly Drawings Embodiment design
 - » Each component is clearly represented and identified in the list of references
 - » Detailed views are included as necessary
 - » Each component is calculated and validated
- Detail Drawings Detail design
 - » Complete manufacturing drawings with dimensions, tolerances, material selection and manufacturing details

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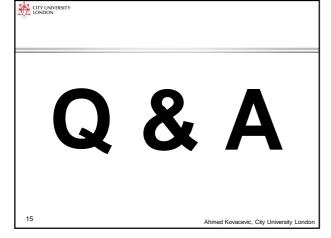


Design for X

- Design for manufacturing minimising:
 - » cost of production, time to market
 - » high quality standards
- Design for assembly
 - » heduced number of parts, ease of assembly
- Design for environment
 - » Legislation, disposal, cost

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Tasks for this week

- Use feedback to update your concepts (select 1)
- Review the elements of conceptual design you made
- Update requirements list and QFD
- Construct main function carrier table
- Start working on identification of parts
- Decide who is going to do what
- Meeting on Thursday:

1

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