

Mechanical Engineering Practice

Week 4

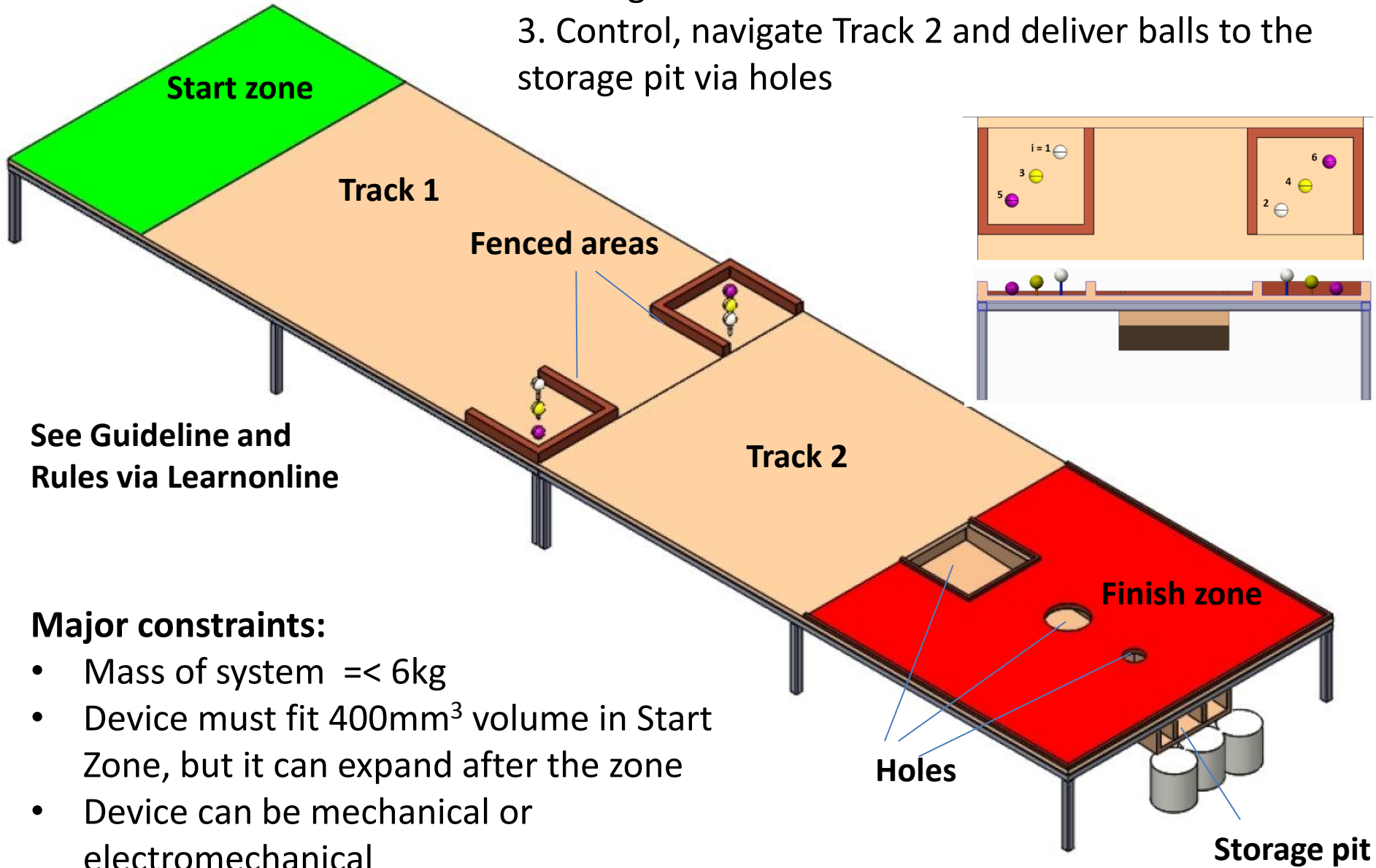
A briefing on Warman project

Dr Mohammad Uddin

Scoring formula – see via Learnonline

To design an autonomous system which will

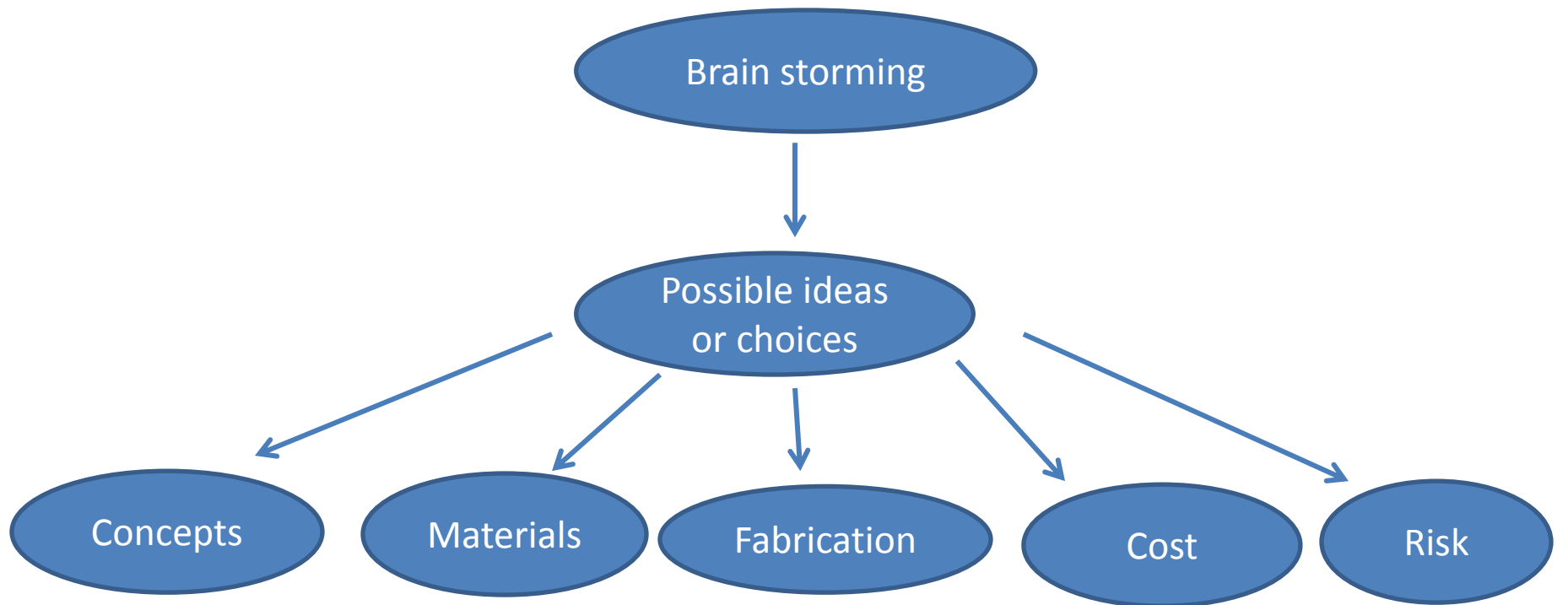
1. Navigate Track 1
2. Pick golf 6 balls from fenced areas
3. Control, navigate Track 2 and deliver balls to the storage pit via holes

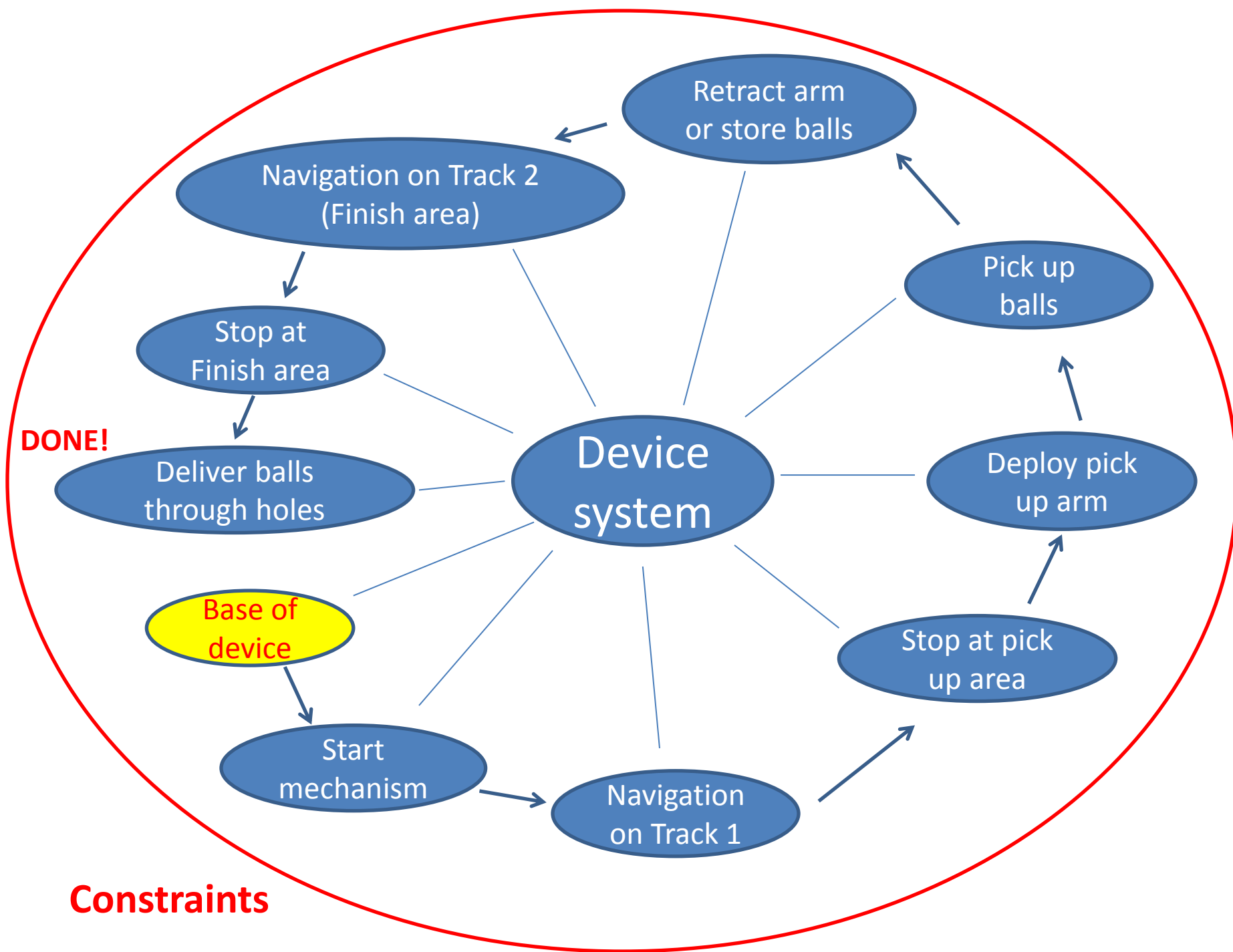


See Guideline and Rules via Learnonline

Major constraints:

- Mass of system $\leq 6\text{kg}$
- Device must fit 400mm^3 volume in Start Zone, but it can expand after the zone
- Device can be mechanical or electromechanical





DONE!

Constraints

Next week (Week 5) – in lecture class

Engineering problem solving task – 1

(study and analysis of failure of past Warman device)

(Graded, 2%)

Log book writing –

Log book – 1 (design phase)

Submit – Week 8 via Learnonline

Log book template – available via Learnonline