

Staff Meeting Minutes

Date: 10/17/2018 2018 5:30-6:00 pm

Location: Dubios building

Lead Person: Torki Alhaqqan

Minutes Recorder: Fawaz Almubark

In Attendance: All team members

Executive Summary:

we joined today to discuss about the designs we made and to present the 4 type of springs that we may use. furthermore, finding the kinematics of our system.

To accomplish:

- Calculating the force required for the bowing cables
- Present the four type of spring calculations
- Calculating the damping ratio using differential equation
- Having the kinematics of the system
- How dose the gate work
- Design a shock absorber

Individual task:

Torki- CAD design for the final sketch

Fawaz- kinematics of the system

Mohammad- 4 type of spring material

Barjis-damping ratio calculation

Humood- prices for the spring

