



# **Engineering Capstone Contract**

Mechtron 4TB6 • Prof. Alan Wassyng

Group 34

## **Authors:**

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Intellux is an apparatus that senses the light inside and outside the room and adjusts the blinds to allow in the desired amount of natural light. Intellux attaches to existing bead-controlled blinds to control them automatically given a set of user preferences.

We, members of Group 34, promise to deliver:

- A demonstration of a user-interface that allows users to send a desired brightness level to the apparatus and receive information regarding the status of the apparatus
- A demonstration of the blinds adjusting when the user changes their preferences
- A video timelapse of blinds adjusting throughout the day based on varying external lighting and user preferences
- A mechanical enclosure to house the Intellux apparatus to attach to the beaded wires
- A demonstration of the user-interface warning the user when a light setting is unachievable

Signed,

