

CSU647 – CSG258: SWARM

Assignment 4

Due date: Friday 2/13.

1. Complete the remote control application to control the robosapien from the **two** mobile phone platforms.

Cell Phone ---- Laptop – Gateway-Mote ----- Control-Mote – Robosapien.

You should have both the JME and Windows Mobile applications running reliably.

2. Submit a report documenting your code, problems, and solutions. Make sure to clearly indicate the contribution of each team member. Prepare a demonstration of your current system to be given in class.
3. Investigate the potential platforms for your robots. Discuss the mobility constraints (e.g., speed, terrain), interfacing, mechanical manipulation (for beacon marking, and adversarial setups).
4. Prepare a presentation to be given in class (10-15 minutes) to describe the potential robots platforms and rationale behind it.

Note: your grades will be based on your individual contributions, your team performance, your code, reports, slides, system reliability, and design creativity.