Team Meeting No.6 Thursday, 10/16/2014, BEL 111, 2:30-3:30

I. **Coming deadlines**

- October 21 - Class session to go over snapshot, etc.
- October 31 - Mid-semester Wiki page

II. **Topics Discussed:**

- The Snowflake Hardware and Parafoil should will arrive on Friday 10/17/14
- Discuss developing a block diagram for the system as we know it.
- The block diagram will be presented to Marc either via email or during the teleconn next week.
- Discuss developing the specs and matric table
- The team will meet on Saturday 10/18 at 9 am, and on Sunday 10/19 at 6:30 pm to work on total system block diagram.
- The Snap shot was successful and according to Dr. Hess talked on the snap shot day about redesigning an Arduino Mega Pro for this project, which will be conducted by the ECE team
- The ECE discussion:
    - Various sensors of temp and pressure sensors that were looked at, were discussed
- The CS discussion:
    - Initiation of the SOUP code
- The ME discussion:
    - Effat has contacted Travis to answer few questions regarding snowflake; there's no model No. for the parafoil
    - The canopy was custom made, few ones were ordered from hobbyking.com, and it is 10 sq. ft
    - The parafoil inflates at whatever altitude assuming there's a support system to hold the canopy semi-open to reduce tangling during initial inflation
    - It was deployed up to around 100,000 ft
    - The descent speed depends greatly on the parafoil itself, tangling can happen at around 40-50 mph with a 10 lb payload
    - The descent speed will be quite high at high altitudes, and decrease dramatically before impact

III. **Action Items:**

- To have a solid block diagram that we can present to Dave and Marc
- To figurE out the scope
- To meet on 10/18 at 9 am in THINK TANK, and on 10/19 at 6:30 pm in BEL
- Next meeting will be held in BEL 111, Thursday, 23rd ,October, at 2:30