Group number: 5 Person leading this discussion: ???

Journal Paper: Smart Farming with Drones

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| **Aims & Motivation**: *What problem or issue does this paper address? Is there sufficient background/context given?*  Drones and Cameras can be used to analyse plant growth and health from up high to save lots of time. Specific programs and mathematical equations are needed and this can greatly speed up finding problems to certain crops or plants in the middle of many plants already planted. UAVs have been getting a lot of attention and can be low-cost. In our case, we cannot use aircrafts, but similar technology, software’s and cameras attached to our ceilings and walls. |
| **Knowledge:** *What have you learned from this paper? What other information do you require to help you with your work?*  Cameras and software that uses hyperspectral measure can tell which plant is which, which needs more water, which is not ploughed, etc. Aerial view of crops and plants allows us to fix problems much faster and more efficiently by using automated systems. |
| **Impact:** *Consider how you can incorporate elements of the papers’ knowledge and contribution into your design*  We can have controllable and adjustable cameras like the UAVs in our buildings to tell how our crops are doing and what it needs, and where the problems are. |
| **Actions:**   1. Discuss with groupmate doing ‘Structure’ 2. Search a little bit more on the software’s and hyperspectral measures to get accurate data 3. Think of a way to apply it so that local workers can use it effectively and easily.   …. |

Include this completed worksheet in your Assignment 1 report appendix.