















Department of Electrical & Computer Engineering

Airborne Sampling/Sensing of Distal Volcanic Ash

Meeting with

Minutes

**Present:**

Jamie Van de Laar, Parth Thakur

**1. Apologies:**

Ryan Taylor, Jake Campbell, Michael Shanaher

**2. Minutes from Previous Meeting**

NIL

**3. Matters arising**

* Look into NOTAM flights
* Low altitude testing can be done at Ilam fields or through model flying club.
* Ask if DTA has access to military testing areas.
* Ask CAA if we can use danger areas/Restricted areas/Military areas.
* Using a parachute may not be the answers to our problems. Once the parachute is open the UAV is “at the mercy of the wind” and can land in unwanted areas. The parachute may also case damage after landing as it can drag the UAV through the ground.
* Safe landing of UAV does not have one perfect solution.
* Pixhawk has a relatively goof plane landing function. The only requirement is that the lift-off and landing height be the same altitude.
* CAA might be reluctant to give a 12km Range clearance for this project.
* Approach direction should be set up wind to help with a safe landing. If Pixhawk does not do his automatically, set a waypoint down wind and then to the destination.
* Richard Teir from the Model Flying Club may be able to help fly the UAV.

**4. Correspondence**

NIL

**5. Progress Reports:**

NIL

**6.** **Other business:**  
**NIL**