**Week 1**

*Primary Goals:*

* Get acquainted with MEMS accelerometers
* Primary types of errors associated with MEMS accelerometers
* MEMS accelerometers applications

*Key questions:*

* Finalized project plan & idea.
* Understand mathematics related to accelerometer calculations & calibrations.
* Find appropriate accelerometer for project.
* Learn how to extract raw data from said accelerometer.

*Answers:*

(Application field – motion capture)

Project Plan – Robotic hand that will have a camera on the end. It will be controlled by the used via a wearable helmet. The idea is the user (operator) to be able to control the camera by rotating, tilting his/her head and in turn the robot moves accordingly. (Further applications, VR cinema, the user wears a suit and helmet, and it will allow the user to experience as if he/she is touching/feeling the scene in the movie. (Haptic gloves <https://www.youtube.com/watch?v=aEJWSPfFXmw>)