**G54IRP Project Proposal**

**Project Title**

Data Fusion – Exploring the Recursive Power Mean

**Background & Motivation**

As the field of robotics continues to evolve. So do the techniques that we employ to fine tune these robots and the ways in which they gain and process data. Sensory data is one of the main ways in which we enable robots to understand their environments and then act accordingly in it. Sensory is data from the environment which has been obtained by sensors on a robot, and there are usually multiple sensors involved in this process.

With sensor data, a large amount of noise is more often then not also arises. Therefore, we have come up with different techniques to process and analyze this data in order to gain something meaningful from it. This is where data fusion comes in handy.

**Aim(s) and Objectives**

**External Aspect**

**Work Plan**

**Bibliography**