Meeting #11:

We have seen demonstrations of different devices involving gears. They can be grouped under two general categories of gears for motion, and gears for measurement (time, volume).

The questions to be addressed in your logbook on Project 1 –Gears are: **Is there any lower limit for the size of the gears? Would they behave the same at very small scales (e.g. the nano-scales of 10^{-9}m?)? What is the largest gear in use?Why very large gears are not practical? Is there any possible for improvement in gears? Is there any relation between the information technology (i.e. computers, artificial intelligence) and gears?**

Regarding beat phenomenon: **What other situations not mentioned in the Project 1 Specifications can we observe the beat phenomenon. Is there any practical application for it?**