

# Visualizing Rain Intensity in Mumbai

Typically, Rain or "Precipitation" (what Scientist/Technical Folks call it) is conveyed in terms of "mm".

So, one would typically listen to News Bulletins meant for "ordinary folks" mentioning that the rainfall was 100mm. However, we believe, this metric conveys very little tangible information or spatial/volumetric information to the average citizen. We also did a quick 'dip stick' assessment of this belief and found this to be true.

On the other hand, people have a good sense of "volume" of water in terms of their everyday "metrics" or thumb rules. We also draw a parallel when people cook at home. Rarely, do they follow the model of 200 ml of water 5 ml of oil; instead they have their own "yardsticks" as in half-cup of their chai-cup/tumbler or two servings of their spoon. (Really, does any typical Indian kitchen have beakers and measuring cylinders?).

We hence leverage / laterally-migrate this concept to convey the quantum of rainfall to people using regular everyday objects like Chai Cups or Shoes, Gumboots, Waist - Length Overalls, TrenchCoats/Raincoats which have been mapped to the rainfall in mm.

## Future Work:

One can connect an Arduino board to the internet to fetch the data and be connected to the levers on the other end so that the system is dynamically updated without manual intervention.

What does *ek cup?*  
1000mm in rainfall mean?



need to convey rainfall in **common vocabulary** than scientific measurements

