After the Planck results, Cosmology is in a state of dilemma. On one hand the standard model of cosmology known as LCDM plus the inflationary paradigm describe all the Universe with almost 6 parameters. On the other hand we face with a 95constituents of the Universe and also and unknown Early Universe Physics. In this talk I will show that how the Large Scale Structure (LSS) Observations based on the theory of Structure Formation(SF) will open a new and vast horizon to investigate about Dark Energy(DE), Dark Matter(DM) and Inflationary models. More specifically I will argue that how SF in the Universe will test the Gravity in Cosmological Scales to understand DE, and how the SF will unravel the physics of DM substructures and finally how it will be used to test the anisotropy and non Gaussianity of primordial perturbations.