Internship Timeline

Joining Date: May 20, 2019

Week 1 : Reading Papers for fixed and random selection of antenna.

Week 2 : Writing Algorithm/program for generating all possible combination for case with 8 BS antennas with 2 Users and antenna subset with 4 antennas.

Week 3 : Writing a generalize program for above case with N BS antenna with K Users and antenna subset with M antennas. Identifying combination for regular (rectangular) and irregular shapes with distance between adjacent antenna element to be half-wavelength.

Week 4 : Selection of antenna subset with best SINR.

Week 5 : Plotting of radiation pattern for antenna array

Week 6 : Beam width and directivity for antenna array

Week 7 : Analyzing the effect of non-uniform distance between adjacent antenna element for antenna array

Week 8 : Documentation of the work done

Abhinil Agarwal
IMT2016015