FUTURE PLAN
DEPARTMENT OF AGRICULTURAL STATISTICS
AND COMPUTER CENTRE
N. M. COLLEGE OF AGRICULTURE
Navsari Agricultural University, Navsari (Gujarat)

- Advancement in teaching with hands-on practical exposure to the UG/PG students.
- Reallocate the Statistical research aspects towards Data Analytics.
- Developed procedures for estimation of genetic parameters
- Construction of selection indices
- Studying G × E interactions for multi-locations trials
- Focusing on advanced statistical techniques in Biometrics and provide platform for such computational analysis
- The divergence and stability of various genotypes and suggest cultivar for a specific region

- Small area estimation
- Area & production estimation through crop cutting experiment
- Cost of production studies
- Harvest and post-harvest losses

- BIBD, Partial BIBD
- Cross over design, augmented design, response surface design, experiments with mixtures etc.
- Diagnostics and remedial measures in designed field experiments. Effect of data transformation on interpretation of the data
- Designs for bioassays; microarray experiments

- Time series analysis on weather variables helps to understand the patterns of the up-downs or increasing /decreasing of different weather parameters since 100 years
- Time series modelling to forecast commodity prices, sales, area, production for various crops
- Advance time series analysis techniques to be adopted for precise forecasting viz. ARIMA with errors, ANN, fuzzy time series, hybrid forecasting etc.