

## Power factor improvement

Power factor improvement is one of the important aspects of electrical installation. Every engineering graduate should be well aware about the power factor and VA drawn from the source.

In this experiment, the effect of power factor improvement on supply current is demonstrated. Students plot the variation of supply current for the same load at different power factors. The improvement in power factor is done by adding the capacitors bank in step-wise fashion. Video link and experiment setup of power factor improvement is shown below.



Fig. 1: Experiment setup of power factor improvement

Video Link - <https://www.youtube.com/watch?v=aoh6bbT4TIU>