# Abstract

In a quality control process, control chart is a very useful tool that is used for controlling variations in a process. In this thesis, we proposed new attribute control charts under repetitive sampling such as p chart with one correction term under repetitive sampling and p chart with two correction terms under repetitive sampling. We explained our new proposed charts in detail. Different equations, relevant to proposed charts, are constructed. We calculated in-control and out-of-control average run length for various process shifts. The proposed charts performance is compared with existing charts with the help of ARLs. We constructed different numerical tables for this purpose. We show our new proposed charts results are better than previous existing charts. We discussed application of proposed charts with the help of a real example.