usuallybased on mathematical models, which can be classified as parametric and non-parametricmodels where the parametric model is required a prior specified life time distribution whileNon-parametric model is that relaxes of the assumption of the life time distribution. Nonparametric life time models are including proportional hazard model and proportional oddmodel. In this paper we develop repairable reliability model concentrate on generalizedrepairable model that indicate the mixture of proportional hazard model and proportional oddmodel. A proportional hazard-proportional odds (PH-PO) model for the purpose of toimprove the repairable reliability to obtain accurate estimates of reliability for repairableindustrial boiler system at normal operating conditions depending on transformationparameter for reliability prediction for …