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Reliability Analysis of Automobile Critical Components

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ABSTRACT: This Project Work represents an attempt to predict the failure of critical components used for Automobiles and also prediction of failure of vehicles used in T.T.D transportation depot. As the organization is large they will have their own garages for repairing of automobiles. So, they purchase the components in small amounts for using them in garages. If prediction of failure of components is not done then ordering of the components cannot be done properly which results in procurement problems. So we make use of ABC and VED analysis for identifying the critical components easily. Then we calculated the reliabilities of the critical components for identifying the failures and vehicle reliability used for auction of poor reliable vehicles.