# An accelerated degradation test planning using Inverse Gaussian process for reliability prediction

## MASTER OF TECHNOLOGY DISSERTATION REPORT

BY

AREESHA NAFEES

(2013PIE5141)



### DEPARTMENT OF MECHANICAL ENGINEERING MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

**JUNE 2015** 

#### DISSERTATION REPORT

ON

## AN ACCELEARTED DEGRADATION TEST PLANNING USING INVERSE GAUSSIAN PROCESS FOR RELIABILITY PREDICTION

SUBMITTED IN FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE OF

MASTER OF TECHNOLOGY IN INDUSTRIAL ENGINEERING

BY

AREESHA NAFEES (2013PIE5141)

UNDER THE GUIDANCE OF **Prof. Rakesh Jain** 



#### DEPARTMENT OF MECHANICAL ENGINEERING MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

JUNE 2015

А

 $\ensuremath{\mathbb{C}}$  Malaviya National Institute of Technology Jaipur – 2015

All rights reserved.