

# On A New Heavy Tailed Pareto-Weibull Distribution and it's Regression Model

## Project Report

submitted in partial fulfillment of the requirements for the award of degree of

## Master of Sciences in Statistics



Submitted By:

Buddepu Pavan

Supervisor:

Dr. Deepesh Bhati

(Assistant Professor)

Department of Statistics

School of Mathematics, Statistics and Computational Sciences

Central University of Rajasthan, Ajmer - 305817

2020-2022

Dr. Deepesh Bhati  
Assistant Professor  
Department of Statistics

Email : deepesh.bhati@curaj.ac.in  
Website: <http://www.curaj.ac.in>



राजस्थान केन्द्रीय विश्वविद्यालय  
**Central University of Rajasthan**  
(संसद के अधिनियम द्वारा स्थापित केन्द्रीय विश्वविद्यालय)  
(A Central University by an Act of Parliament)  
NH-8, Bandarsindri, 305801  
Kishangarh (Ajmer), Rajasthan, INDIA  
Phone (Office): +91-1463-238755/260200  
Telefax: +91-1463-238722

## Certificate

This is to certify that the work embodied in the accompanying project report entitled **"On A New Heavy Tailed Pareto-Weibull Distribution and it's Regression Model"** has been successfully carried by ***Buddepu Pavan***, a IV Semester student, of the Department of Statistics, Central University of Rajasthan, under my guidance and supervision.

He worked for about 12 weeks and his work carried out is satisfactory.

Place: Badarsindri

Date:

Dr. Deepesh Bhati  
(Assistant Professor)

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Buddepu Pavan**, Enroll. No 2020MSTA004, M.Sc. Statistics student of Department of Statistics has done project work "***On A New Heavy Tailed Pareto-Weibull Distribution and it's Regression Model***" under the guidance of **Dr. Deepesh Bhati**, Assistant Professor, Department of Statistics, Central University of Rajasthan towards the partial fulfillment of the award of "Master of Science in Statistics" during the period February 2022 to May 2022.

Head  
Department of Statistics  
Central University of Rajasthan

## Declaration

I **Buddepu Pavan**, hereby declare that the project work entitled "***On A New Heavy Tailed Pareto-Weibull Distribution and it's Regression Model***" submitted to Department of Statistics, Central University of Rajasthan as a partial fulfilment of requirements of IV-Semester examination, is a bona fide record of work under taken by me, under the supervision of **Dr. Deepesh Bhati**, Assistant Professor at Department of Statistics, Central University of Rajasthan and it is not formed the basis for the award of any other Degree/Associateship/Fellowship by any University.

Signature of Candidate

Buddepu Pavan

Enroll. No.:2020MSTA004

Place: .....

Date: .....

## Acknowledgement

I am highly thankful for ***Dr. Deepesh Bhati***, project supervisor for his superb guidance. He helped me a lot to overcome all the difficulties, that I faced while writing the project. It was a pleasure to work with him and learn from him. He was always available and willing to help me.

I am also thankful to the Department of Statistics, CURaj for providing me with all infrastructures facilities during project work.

I am also thankful to PHD Scholars who helped me lot during project work

Signature of Candidate

Buddepu Pavan

Enroll. No.:2020MSTA004