

Some Contributions to Reliability Theory and Survival Analysis

Submitted to
University of Calicut

in partial fulfillment of the requirements
for the award of the Degree of

Doctor of Philosophy
in
Statistics

By
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Under the guidance of
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DECLARATION

I, **Beenu Thomas**, hereby declare that the thesis entitled, “*Some Contributions to Reliability Theory and Survival Analysis*”, submitted to the **University of Calicut** in partial fulfillment of the requirements for the award of the Degree of *Doctor of Philosophy in Statistics* is a bonafide research work done by me under the supervision and guidance of **Dr. V M Chacko**, Associate Professor, Department of Statistics, St. Thomas College (Autonomous), Thrissur, Kerala.

I further declare that this thesis has not previously formed the basis of any degree, diploma or any other similar title.

Thrissur
25 May, 2023

Beenu Thomas

CERTIFICATE

This is to certify that the thesis titled “*Some Contributions to Reliability Theory and Survival Analysis*” submitted by **Beenu Thomas** to the **University of Calicut** in partial fulfillment of the requirements for the award of the Degree of *Doctor of Philosophy in Statistics* is a record of original research work carried out by her under my supervision. The content of this thesis, in full or in parts, has not been submitted by any other candidate to any other University for the award of any degree or diploma.

Thrissur

25 May, 2023

Dr. V M Chacko

Research Supervisor

CERTIFICATE

I hereby certify that, this is the revised version of the thesis entitled “*Some Contributions to Reliability Theory and Survival Analysis*” submitted by **Beenu Thomas**, under my guidance, after incorporating the necessary corrections/suggestions made by the adjudicators. I also certify that the contents in the thesis and the soft copy are one and the same.

Thrissur

24 November, 2023

Dr. V M Chacko

Research Supervisor

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