It is here by certified that the paper ID : IJRASET13572, entitled 
Implementation of Big-Data Applications Using Map Reduce Framework 
bym
Ruchika Ruchika Kataria
after review is found suitable and has been published in 
Volume 6, Issue II, February 2018 
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Engineering Technology 
Good luck for your future endeavors

Editor in Chief, iJRASET
It is hereby certified that the paper ID: IJRASET13572, entitled "Implementation of Big-Data Applications Using Map Reduce Framework" by Prof. Garima Silakari Tukra after review is found suitable and has been published in Volume 6, Issue II, February 2018 in International Journal for Research in Applied Science & Engineering Technology.

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Editor in Chief, iJRASET