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## Certificate

*It is here by certified that the paper ID : IJRASET16370, entitled*  
*A New Approach for HRARAN Protocol with Minimization of Delay in MANET*  
*by*  
*Lalita Devi*

*after review is found suitable and has been published in*  
*Volume 6, Issue IV, April 2018*  
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*By [Signature]*

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