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## Certificate

*It is here by certified that the paper ID : IJRASET10602, entitled*  
*Detection of Black Hole Attack in Wireless Sensor Networks Using Support Vector Machine*  
*by*  
*Manish Kumar*

*after review is found suitable and has been published in*  
*Volume 5, Issue XI, November 2017*

*in*  
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*Engineering Technology*

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*Good luck for your future endeavors*

*By*

Editor in Chief, IJRASET



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