



ISSN No. : 2321-9653

# IJRASET

**International Journal for Research in Applied  
Science & Engineering Technology**

IJRASET is indexed with Crossref for DOI-DOI : 10.22214

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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*

*International Journal for Research in Applied Science &  
Engineering Technology*

*(International Peer Reviewed and Refereed Journal)*

*Good luck for your future endeavors*

*By*

Editor in Chief, IJRASET



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