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## Certificate

*It is here by certified that the paper ID : IJRASET23288, entitled  
Implementation of Intelligent Controllers in Direct Torque Controlled Permanent  
Magnet Synchronous Motor*

*by  
Dr. A. Sudhakar*

*after review is found suitable and has been published in  
Volume 7, Issue V, May 2019  
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*International Journal for Research in Applied Science &  
Engineering Technology*

*(International Peer Reviewed and Refereed Journal)*

*Good luck for your future endeavors*

*By [Signature]*

Editor in Chief, IJRASET