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## Certificate

*It is here by certified that the paper ID : IJRASET47739, entitled  
Photo-Voltaic Solar Panel Monitoring with Safety Control using NodeRED and  
Arduino*

*by  
Apurva Patel*

*after review is found suitable and has been published in  
Volume 10, Issue XI, November 2022  
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*Good luck for your future endeavors*

*By [Signature]*

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