



ISSN No. : 2321-9653

# IJRASET

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

IJRASET is indexed with Crossref for DOI-DOI : 10.22214

Website : [www.ijraset.com](http://www.ijraset.com), E-mail : [ijraset@gmail.com](mailto:ijraset@gmail.com)

ISRA  
JIF

ISRA Journal Impact  
Factor: 7.429



45.98  
INDEX COPERNICUS



THOMSON REUTERS  
Researcher ID: N-9581-2016



10.22214/IJRASET



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## Certificate

*It is here by certified that the paper ID : IJRASET54582, entitled*  
*Bone Abnormalities Detection and Classification Using Deep Learning-Vgg16*  
*Algorithm*

*by*  
*Vinay S Navale*

*after review is found suitable and has been published in*  
*Volume 11, Issue VII, July 2023*  
*in*

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