



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 : IJRASET55466, entitled*  
*Bi-Directional American Sign Language and English Translator Using Machine*  
*Learning and Computer Vision*  
*by*  
*Ashwin Reddy*

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

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