

## International Journal of Engineering Research and Applications (IJERA)

## **CERTIFICATE**

It is certify that the paper entitled by "The validation of centrifugal pumps based on the vibration characteristics" has been published in International Journal of Engineering Research and Applications (IJERA).

## Your article has been published with following details:

Author's Name: Mohammad E. Alshebani

Journal Name: International Journal of Engineering Research and Applications (IJERA)

Journal Web: www.ijera.com

Journal Type: Online & Print (Both)

Review Type: Peer Review Refereed

ISSN: 2248-9622

Vol No.: 09

Issue No.: 09

Publication Month: September

Publication Year: 2019



Editor-In-Chief

International Journal of Engineering Research and Applications (IJERA)

E-mail ID: ijera.editor@gmail.com

Web: www.ijera.com