

## Certificate of Publication



This is to confirm that

Fatimah Zehra Islam

Published following article

Analysis of Opinion Mining On Twitter Data Using Big

**Data Tools** 

Volume 9, Issue 11, pp: 23-28

www.ijres.org

A Peer Reviewed referred Journal

**International Journal of Research in Engineering and Science (IJRES)** 

**Editor-In-Chief** 

ISSN: 2320-9364 IJRES is Peer Reviewed Refereed.



## Certificate of Publication



This is to confirm that

Zuber Farooqui

Published following article

Analysis of Opinion Mining On Twitter Data Using Big

**Data Tools** 

Volume 9, Issue 11, pp: 23-28

www.ijres.org

A Peer Reviewed referred Journal

**International Journal of Research in Engineering and Science (IJRES)** 

**Editor-In-Chief** 

ISSN: 2320-9364 IJRES is Peer Reviewed Refereed.