



# *Certificate of Publication*



This is to confirm that

**Sheela M S**

Published following article

Enhancing the Privacy and Security in Federated  
Learning through Advanced Cryptographic Techniques:  
A Literature Review

Volume 13, Issue 5, pp: 168-173

[www.ijres.org](http://www.ijres.org)

**A Peer Reviewed referred Journal**

**Impact Factor : 7.52**

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

**ISSN: 2320-9364 IJRES is Peer Reviewed Refereed.**

**Editor-In-Chief**



# *Certificate of Publication*



This is to confirm that

**Ankur Khare**

Published following article

Enhancing the Privacy and Security in Federated  
Learning through Advanced Cryptographic Techniques:  
A Literature Review

Volume 13, Issue 5, pp: 168-173

[www.ijres.org](http://www.ijres.org)

**A Peer Reviewed referred Journal**

**Impact Factor : 7.52**

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

**ISSN: 2320-9364 IJRES is Peer Reviewed Refereed.**

**Editor-In-Chief**



# *Certificate of Publication*



This is to confirm that

**Praveen Kumar K**

Published following article

Enhancing the Privacy and Security in Federated  
Learning through Advanced Cryptographic Techniques:  
A Literature Review

Volume 13, Issue 5, pp: 168-173

[www.ijres.org](http://www.ijres.org)

**A Peer Reviewed referred Journal**

**Impact Factor : 7.52**

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

**ISSN: 2320-9364 IJRES is Peer Reviewed Refereed.**

**Editor-In-Chief**