Faculty Profile

Name: **Mr. Ajit Karki**

Designation: Assistant Professor

Teaching Areas: Network Security

Big Data Analytics

Research Interests: Cryptography

Machine Learning

Cloud Computing

Neural Networks

Education: MTech. (Computer Science and Engineering)

Sikkim Manipal Institute of Technology, Majhitar, East Sikkim (2014).

PhD.(CSE)Pursuing, ICFAI University,
Tripura, Kamalghat, Agartala.

Research/Selected Publication:

1 .Ajit Karki, "A Discussion on Elliptic Curve Cryptography and its Application", Published in Volume 2, issue: 3, in "International Journal of Research in Advent Technology", e-ISSN 2321-9637]. Publication Date: 15th March 2014.

2. Ajit Karki, "Elliptic Curve Cryptography-A New Approach to Public key Cryptography", Published in Volume 3, Issue 9, in "International Journal of Engineering Sciences & Technology",[e-ISSN 2277-9655]. Publication Date: 16th September 2014.

3. Ajit Karki, "Elliptic Curve Diffie Hellman" (ECDH), published in Volume 1, Issue 8, in "International Journal of Advanced Research in Ecology, Science and Technology", [ISSN: 2395-695X]. Publication Date: 22nd November 2015. Paper has been awarded The "SILVER ACHIEVER - 2015".

4. Ajit Karki, Elliptic Curve Cryptography (ECC), publish ed in "International Conference on Recent Trends in Engineering and Technology, [ICRTET'16], 28th April 2016, Chennai, Tamilnadu, India.

5. Ajit Karki, "An Overview of Public Key Cryptography" "International Journal of Computer Science", ISSN-2320-7868, 30th Dec 2016.

6. Ajit Karki, "A Comparative Analysis of PKC" "International Journal of Modern Computer Science and Engineering", vol: 4, issue: 6 "ISSN-2320-5869, 20th Sep 2016.

7. Ajit Karki, "Elliptic Curve Cryptography", "ISER - International Conference on Advanced Computer Science and Information Technology", (ICACSI-17), 24th Dec 2017.

8. Ajit Karki, "A Review on Advanced Encryption Standard-(AES)", International Journal of Computer Sciences", Volume-6, Issue-8, Aug2018. UGC approved journal, Journal no: 63193.

9. Ajit Karki, "An Analysis on Point Mapping Methods-Elliptic curve Cryptosystems",25th International Conference on Applied Science, Engineering and Technology, Goa, India, 29 December 2019.

10. Ajit Karki, "INDOCRYPT 2015"-16th International Conference on Cryptology in India, Bangalore, December 6-9, 2015, Proceedings. Lecture Notes in Computer Science 9462, Springer 2015, ISBN 978-3-319-26616-9.