Priyadarshi Singh

Visiting Faculty

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MEMBER OF PROFESSIONAL BODIES
Cryptology Research Society of India(CRSI)
VLSI Research Society of India, Bangalore
Computer Science and Engineering Society,ISM Dhanbad
Member of Data Security Council of India(DSCI)

SUBJECTS INTEREST
Soft Computing, Advanced Operating Systems(Distributed Systems), Computer Networks, Cryptology and Cyber Laws

RESEARCH INTERESTS
Information Security and Cyber Laws.

EDUCATION
Master of Technology in Computer Science and Engineering
Indian Institute of Technology (Indian School of Mines), Dhanbad, India.

Bachelor of Technology in Information Technology(Hons.)
State Technical University of U.P, Lucknow, India.

PERSONAL ACHIEVEMENTS
UGC-NET(June 2014) Qualified for Assistant Professor in Computer Science and Application
GATE -2012 Qualified
Selected for doing 2 and half year PG Diploma Programme in Information & Interface Design at National Institute of Design.
Selected for doing MS in Cyber Laws & Information Security at IIIT-Allahabad.

TECHNOLOGY SKILLS
Programming and Scripting Languages: SQL, HTML, Java, C, C++.
Tools: AVISPA, LaTeX, SAGE, Adobe Photoshop.

TRAINING AND EXCURSIONS
GIAN Course of credit 2 on PKI and Trust Management Nov 2016
NIT, Goa, MHRD.

Trainee in Fixed Line Access Summer 2011
Telecommunication Engineering Centre, New Delhi.India.

A weekend Course on Windows Networking & Security. August 2014
Advanced Training Institute-EPI, Hyderabad,Telangana.India.

PROJECTS
M.Tech:Design of Efficient and Secure Ad hoc Based Public Key Infrastructure using Elliptic Curve Cryptography

Academic Experiances
Acting as Teaching Associate(TA) of Various Courses and labs both during my studies

Teaching Experiance
Visiting Faculty in IGDTUW since Oct. 2018
Visiting Faculty in NSUT since Jan. 2019

PUBLICATIONS
Towards a Hybrid Public Key Infrastructure (PKI): A Review. IACR Cryptology ePrint Archive 2019: 784 (2019)

Subgroup Operations in Identity Based Encryption Using Weil Pairing for Decentralized Networks. I. J. Network Security 21(6): 930-936 (2019)

Lightweight Cryptography for Distributed PKI Based MANETS. CoRR abs/1804.06313 (2018)

Node Authentication Using BLS Signature in Distributed PKI Based MANETS. CoRR abs/1708.08972 (2017)

Presented a Paper on "A Glimpse at Lightweight Cryptography and its Application" in 2nd Hyderabad Security Conference (Nov 2014) conducted by DSCI under the Aegis of NASSCOM.

CONFERENCES & WORKSHOPS ATTENDED
RAIT 2014,ISM Dhanbad.
Attended a National level Workshop on MATLAB and its Application in Digital Signal Processings at IIIT-Allahabad,2013.
National workshop in Cryptology at IIIT-DM Jabalpur unser the aegis of CRSI,Sept 2014.
Workshop on "Mathematical Ideas for PG Students" by CR Rao AIMSCS,Hyderabad.
Workshop on " Mathematical Principles of Cryptography & Cryptanalysis" by SCIS,UoH.
Code-Based Crypto Workshop by CR RAO AIMSCS & DRDO(SAG),New Delhi.
Workshop on Quantum Cryptography by ISEA in IIIT-H.
Attending a workshop on PKI & Trust Management under GIAN,NIT,Goa.
PKIC Conference by Cdac Bangalore and CCA, New Delhi

REFERENCES
Prof. Chiranjeev Kumar
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