

Nishant Sharma

Assistant Professor

Department of Computer Science and Engineering/Information Technology, JUIT Waknaghat

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Education

National Institute of Technology

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Doctoral degree (PhD)

(Thesis submitted)

Title: Improving data availability in Internet of Vehicles

Supervisor: Dr. Naveen Chauhan

Hamirpur, HP, India

May 2022

Punjabi University, Patiala

M.Tech in Department of Computer Engineering, Punjabi University, Patiala

Title: Data hiding in MP3 file using bit stuffing technique

Supervisor: Er. Gaurav Deep

Percentage: 73.25%

Patiala, Punjab, India

Aug. 2013 - Jul. 2015

Himachal Pradesh University

B.Tech in Information Technology

University Institute of Information technology, Shimla

Percentage: 62.7%

Shimla, HP, India

Jul. 2008 - Dec. 2012

Him Academy Public School

12th from Himachal Pradesh Board of School Education, Dharamshala

Percentage: 79.6%

March 2008

10th from Himachal Pradesh Board of School Education, Dharamshala

Percentage: 84.4%

May 2006

Workshops attended

Security Trends in Mobile Ad hoc and Sensor Systems

Short term course

Short term course organized by department of computer science and engineering, NIT Hamirpur.

NIT Hamirpur, HP, India

11-15 March, 2016

Sensor Based Embedded Systems Design

TWO WEEK COURSEC

Two-week course organized by Global Initiative of Academic Networks (GIAN) on sensor based embedded systems design

NIT Hamirpur, HP, India

20 June-01 July 2016

Security Trends in Mobile Ad hoc and Sensor Systems

ONE WEEK SHORT TERM COURSE

One-week short term course organized under ISEA Project Phase-II, MeitY, Gol.

NIT Hamirpur, HP, India

02-07 Feb. 2017

ISEA IEEE Asia Security and Privacy Conference 2017 Research

Conclave

POSTER PRESENTATION

Poster titled "Handling Security Threats in IoV environment" presented at ISEA IEEE Asia Security and Privacy Conference 2017 Research Conclave.

NIT Surat, Gujarat, India

11 Feb. 2017

Visvesvaraya PhD scheme for Electronics & IT/ITES Workshop

Research Evaluation Workshop

*AU College of Engineering,
Visakhapatnam, India*

16-18 November, 2017

AI and Machine Learning

One week Faculty Development Programme

One week Faculty Development Programme organised by Electronics and ICT Academy through National Knowledge Network

NIT Hamirpur, HP, India

04-08 June, 2018

Publications

JOURNAL PAPERS

BI-TVR: An Efficient and Reliable Multi Technology Routing Scheme for Internet of Vehicles

NISHANT SHARMA, NAVEEN CHAUHAN AND NAROTTAM CHAND

*International Journal of Grid and Distributed
Computing
[eSCI Indexing]*

pp. 23-40, Dec. 2020

Cluster Based Distributed Service Discovery in Internet of Vehicle

NISHANT SHARMA, NAVEEN CHAUHAN AND NAROTTAM CHAND

*Journal of Communications
Software and Systems
[SCOPUS indexing]*

Secure Authentication and Session Key Management Scheme for Internet of Vehicles

NISHANT SHARMA, NAVEEN CHAUHAN, NAROTTAM CHAND and LALIT AWASTHI

Transactions on Emerging Telecommunications Technologies
[SCI indexing]

doi:10.1002/ett.4451, Jan. 2022

Reward and Penalty based incentive scheme for improving node cooperation in Internet of Vehicles

NISHANT SHARMA and NAVEEN CHAUHAN

Wireless Networks, Springer

[SCI indexing]
[under revision]

Blockchain based secure authentication scheme for vehicular networks

NISHANT SHARMA and NAVEEN CHAUHAN

Transactions on Emerging Telecommunications Technologies
[SCI indexing]

[under revision]

Node discovery approach based upon ant-colony optimization for vehicular networks with privacy preservation

NISHANT SHARMA and NAVEEN CHAUHAN

Transactions on Emerging Telecommunications Technologies

[SCI indexing]
[under revision]

International Conferences

Smart logistics vehicle management system based on internet of vehicles

NISHANT SHARMA, NAVEEN CHAUHAN and NAROTTAM CHAND

IEEE PGDC 2016

pp. 495-499,

doi: 10.1109/PDGC.2016.7913245

2016 Fourth International Conference on Parallel, Distributed and Grid Computing (PDGC)

Handling Security Threats in IoV environment

NISHANT SHARMA, NAVEEN CHAUHAN and NAROTTAM CHAND

International Conference on Emerging Trends in Engineering & Technology Management (ICETEITM), NIT Hamirpur, INDIA, September 2017

ICETEITM, 2017

pp. 2589-2594

Security challenges in Internet of Vehicles (IoV) environment

NISHANT SHARMA, NAVEEN CHAUHAN and NAROTTAM CHAND

First International Conference on Secure Cyber Computing and Communication, NIT Jalandhar, India

IEEE ICSCCC, 2018

pp. 203-207