



Name: Soni Ojha

Designation: Assistant professor

Department: CSE

Phone No(s): 9454062237

Email: soni.suman2232@gmail.com

Qualifications: M. Tech

Experience: 13

Area of Interest: Wireless Sensor Network, Deep Learning

Publication: 14

Book/Book Chapter:

Patent:

Sponsored Projects:

Consultancy:

CV

Soni Ojha

Asst. Prof., (M.Tech (CSE))

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CAREER OBJECTIVE

Looking for a challenging role in the field of research that could leverage my current technical and interpersonal skills to enhance organization's growth while providing me ample opportunities to improve my skills and learn new areas.

TECHNICAL QUALIFICATION

Operating Systems : MS-DOS, Windows XP, Vista, Linux

Programming Languages : C, C++, JAVA, Python

Databases : MS-Access, Oracle 9i, SQL Server

Web Technologies : HTML, DHTML, CGI

Software : Network Simulator (NS-2), Rational Rose, Weka Tool, LATEX

ACADEMIC QUALIFICATION

Course Completed	University / Board	Year of Passing
M.Tech. (CSE)	SRM University	2013
M.Sc (CS)	MCRPU	2008
B.Sc (PMS)	Purvanchal University	2006
Intermediate	U.P. Board	2003
10 th	U.P. Board	2001

AREA OF INTEREST

- Operating System
- Design and Analysis of Algorithm
- Programming Language
- Data Structure and Algorithms
- Cryptography and Network Security

PROJECT IMPLEMENTATION (Research Level)

Title : Optimal Selective Forwarding for Energy Saving In Sensor Network

Tool : NS2

Implementation : OSF Algorithms

Description : In this project work we show several selective message forwarding policies to save energy and extend the lifetime of WSN, by comparing them and we also introduced LF-FI. As per the result we observed, almost all other selective transmissions take more energy to transmit the message in the comparison of local transmission scheme. So when we use the LF-FI scheme the network lifetime will be increased. It also concludes that the local information is very necessary or valuable to reduce the energy for transmitting the message because the local transmission gives the importance to the information from neighbor.

PROJECT DONE (Application Level)

Automated System for Travel Management {Major-Project}

Organization : Multi-Tech Engineering System

Location : S/50-3D Orderly Bazaar Varanasi 221002

Front-End : VB.net

Back-End : Oracle

Duration : 3 Month

Role : Testing

Environment : Account Management

Description : The Project provides live function for office automation system.

HOSPITAL MANAGEMENT SYSTEM {Mini- Project}

Title : Hospital Management System

Client : Pragya Hospital and Research

Platforms : Visual Basic 6.0

Description : To Developer the software related with complete Hospital Management System with MIS Reports Right from patients registration to discharge report Account System and Material Management of the Hospital store according to CMM-5 LEVEL Optimization.

PRESENTED RESEARCH PAPER IN INTERNATIONAL CONFERENCE/JOURNALS

1. **Kumari Soni** , Rakesh Kumar Yadav and Govind Verma ,” A Comparative Study of Routing and Power Saving Protocols in Wireless Sensor Networks”, **ICRTC, SRM University NCR Campus, PP-259-263, ISBN: 978-93-81583-67-8, Aug 2012.**
2. Om Jee Gupta, and **Kumari Soni** ,” POR Protocol along with destination location prediction scheme toward reliable data delivery for highly dynamic MANET”, **International Conference on Artificial Intelligence and Soft Computing (AISC) ,IIT BHU, Varanasi, U.P., Dec 2012.**
3. **Kumari Soni**, Rakesh Kumar Yadav and Om Jee Gupta,” A Survey on EnergyEfficient Medium Access Control for Wireless Sensor Networks”, **International Conference on Reliability, Infocom Technologies and Optimization (ICRITO), Amity University, Noida, U.P., ISBN: 978-93-81583-85-2, Jan 2013.**
4. Navin Mani Upadhyay, **Kumari Soni** and Arvind Kumar “Security Management in Network Visualization Environment by using modified root management algorithm for Creation of Virtual Node and Virtual Link” in **International Journal of Computer Application (IJCA)**, USA, (0975 – 8887), Volume 162 – No 6, March 2017. <http://www.ijcaonline.org/archives/volume162/number6/27250-2017913367>
5. Navin Mani Upadhyay, **Kumari Soni** and Arvind Kumar “Power Aware Routing in Mobile Ad Hoc Networks by using Power Aware Matrices” **International Journal of Computer Applications (IJCA)**, USA, (0975 – 8887), Volume 166 – No.11, May 2017. <http://www.ijcaonline.org/archives/volume166/number11/27714-2017914152>
6. **Kumari Soni**, Navin Mani Upadhyay, Juli Singh, Abhay Kumar Maurya "Security Issues in Network Virtualization: A Review" in National Conference on Emerging Trends in Science, Technology & Management (ETSTM-2017), ISBN:978-93-5281-325-4, p.p.-284-291, Nov., 2017.
7. **Kumari Soni**, Juli Singh, Navin Mani Upadhyay, Saloni Singh, Vivek Kr. Srivastava "Filtering of Optimal Power Saving Routing Protocols in Mobile Adhoc Network: A Comparative Study" in National Conference on Emerging Trends in Science, Technology & Management (ETSTM-2017), ISBN:978-93-5281-325-4, p.p.-297-302, Nov., 2017.
8. Juli Singh, **Kumari Soni**, Navin Mani Upadhyay, Bharat Kumar, Md. Imran, Manish Kr. Gupta "A Comparative Study of Different Classification Methods" in National Conference on Emerging Trends in Science, Technology & Management (ETSTM-2017), ISBN:978-93-5281-325-4, p.p.-337-339, Nov., 2017.
9. Ankur Srivastava , Rakesh Kumar Singh, **Kumari Soni** , “A study of Employee Performance Evaluation Using Data Mining Techniques”, in National Conference on Emerging Trends in Science, Technology & Management (ETSTM-2017), ISBN:978-93-5281-325-4, p.p.-347-350, Nov., 2017.
10. **Kumari Soni**, Saurabh Singh and Monika Saha “ Concept of Quick Sort for repeating element: A new approach” in National Conference on Emerging Trends in Science, Technology & Management (ETSTM-2018), ISBN:978-93-5321-249-0, p.p.- 430, Nov., 2018.

11. **Kumari Soni**, Navin Mani Upadhyay, Juli Singh, and Ankur Srivastava. "A Topology based Address Selection Technique for Network Virtualization Environment", in Advances in Intelligent Systems and Computing (AISC) Series, Springer, Volume 1119, Electronic ISSN:2194-5365, Print ISSN:2194-5357, Dec., 2019.
12. **Kumari Soni**, Ankur Srivastava. "Secure Computational Outsourcing: A Survey" in International Conference on Innovative Practices in Engineering Science and Management (IESM 2022), ISBN: 978-81-956917-0-8, p.p.-65-70, Oct,2022.
13. **Kumari Soni**, Ankur Srivastava, Abhay Maurya. "The study and Analysis of Customer behavior for E-Retailing: Using Data Mining Technique" in International Conference on Innovative Practices in Engineering Science and Management (IESM 2022), ISBN: 978-81-956917-0-8 , p.p.- 367-370, Oct,2022.
14. **Kumari Soni**, Ankur Srivastava, Abhay Maurya. "Sensor based Advanced Bluetooth Pulse Oximeter System" in International Conference on Innovative Practices in Engineering Science and Management (IESM 2022), ISBN: 978-81-956917-0-8 , p.p.- 371-378, Oct,2022.

WORKSHOPS / SEMINARS / FDP ATTENDED:

1. Participate in 3rd Indian Youth Science Congress from 3-5, 2011 held at the NASC Complex, New Delhi.
2. National Conference on **Quality Management in Teaching**, (NCRACSGS-13), Aug, 2014, at Ashoka Institute of Technology & Management, Varanasi, Uttar Pradesh.
3. National Conference on **Cloud Security Management & its Effect**, organized by K.N.G.D. Modi Engineering College, at Modinagar, Uttar Pradesh ,9 August 2014.
4. Attended one days Hands-On National level training program on **Ethical Hacking and Prevention**, organized by Lucidious, Singapore, Oct.,2014.
5. Attending one week FDP on **Matlab & its application in the field of Engineering** organized by NITTTR Kolkata, Jan.,2017.
6. Attended one week FDP on **Human Values and Ethics** organized by A.K.T.U., Lucknow, Uttar Pradesh, Jul.,2017.
7. Attended one week FDP on **Big Data and High Performance Computing**, organized by AITM, Varanasi, Uttar Pradesh, Dec., 2017.
8. Attended one week Hands-On FDP on **High Performance Computing**, organized by dept.of CSE, IIT (BHU), Varanasi, Uttar Pradesh, Jun.,2018.
9. Attended one-week Hands-On FDP on **Data Analytic with Python**, organized by IITK, Kanpur, Uttar Pradesh, Sep.,2018.

10. Attended one-week FDP on **Outcome Based Education and Accreditation**, organized by IILM College of Engineering and Technology, Kanpur, Uttar Pradesh, May,2020.
11. Attended Seminar on **Effective Time Management** organized by Ashoka Varanasi, Uttar Pradesh, June 2020.
12. Attended one week FDP on **AI and Machine Learning using Python**, organized by dept.of CSE, Ashoka, Varanasi, Uttar Pradesh, Jan.,2021.
13. Attended one week FDP on **Recent Trends in Computation, Data Processing and Security**, organized by dept.of CSE, Ashoka, Varanasi, Uttar Pradesh, Jan.,2023.
14. Attended one week FDP on **Smart Grid challenges and Opportunity**, organized by dept.of EE, Ashoka, Varanasi, Uttar Pradesh, FEB.,2023.
15. Attended 15 days' Short term course on **Empowering Research with Advance Excel and power BI**, Ashoka, Varanasi, Uttar Pradesh, May.,2023.
16. Attended Online course on **Python for Machine Learning**, provided by Great Learning Academy, July.,2023.
17. Attended one week FDP on **Trends in Technological Intelligence (T2I 2023)**, organized by dept.of ECE, **BBDNIIT, Lucknow (AKTU College Code 056),August 21-25, 2023**

WORKSHOPS / SEMINARS ORGANIZED:

1. Organized Three days workshop on **Office tools for MBA**, , June.,20217.
2. Organized Two days workshop on Synopsis Writing as Project Coordinator, 2019.
3. Organized Three days Conference IESM, 2022.
4. Organizing Committee Member of Two days IEEE Conference as Session Coordinator, 2023.

MEMBERSHIPS IN INTERNATIONAL SOCIETIES:

1. Member: **ACM Computer Science Teachers Association (CSTA), US/Canada.**
2. **International Association of Engineers (IAENG), Hong Kong.**
Membership Number- 188041

ADMINISTRATIVE RESPONSIBILITIES:

1. Member of committee to organize Abhyuday- Techfest from 2014 to till date at ASHOKA Varanasi.
2. Coordinator of Second year of CSE Department From 2015 to till date at Ashoka, Varanasi.
3. Coordinator of Project Review Committee for Final year of CSE Department, Ashoka, Varanasi.
4. Member of Editorial Board for conference paper review, ASHOKA Varanasi
5. Member of Organizing committee IESM 2022, ASHOKA.

EXPERIENCE:

1. Ashoka Institute of Technology & Management, Varanasi, **affiliated to AKTU Lucknow**, Assistant Professor, August 2014 - till date.
2. One year experience (2013-2014) as Assistant professor of Computer Science in CIMAGE, Patna.
3. Two year industrial experience (2009-2011) in Goyal Software Solution.

PERSONAL DETAILS:

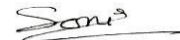
Father's Name : Vijay Kumar Ojha
Date of Birth : 18th April 1987
Sex : Female
Nationality : Indian
Language Known : Hindi & English
Hobbies : Reading Books, Interacting with new people.
Marital Status : married
Permanent Address : Village: - Ganeshpur
Post Shivpur, Varanasi (UP)
Pin no.-221003

DECLARATION:

I hereby declare that all the above mentioned facts and information are true to the best of my knowledge. I will solely be responsible for any discrepancy found in them.

DATE: 16 / 01 / 2024

PLACE: Varanasi



Kumari Soni