KAVITACHOUDHARY

M. Tech. (CS) B. E. (CE)
Contact: 8112211094
Mail_Id: KavitaKuntal26@gmail.com

<div align="right">

H. No. 2125, Dugri Phase 2
Drum Chowk Road
Ludhiana, Punjab

</div>

Objective:

To pursue a career which requires an optimistic attitude, high confidence and intelligence in the motivational and progressive, yet friendly environment, also where the individual achievements and performance will be counted.

Academic Qualifications:

S. No.	Degree	University/ Board	YOP	Aggregate %
1.	M. Tech. (Computer Science)	Banasthali Univaersity	2011	75.96% (Hons.)
2.	B. E. (Computer Engineering)	University of Rajasthan, Jaipur	2008	74.97% (Hons)
3.	Sr. Secondary	R. B. S. E.	2004	70%
4.	Secondary	R. B. S. E.	2002	77.67%
5.	Visharad in Kathak	Akhil Bhartiya Gandharv Mandal Vishwavidyalaya, Mumbai	2018	70.86% (Hons.)

Experience:

S. No.	Institute	Post held	Tenure
1.	GNKCW, Ludhiana	Assistant Professor	Aug 1,2023 – till date
2.	JIET, Jodhpur	Associate Professor	Session 2021- 2022
3.	JIET, Jodhpur	Associate Professor, HOD (CSE)	Jan 9, 2012 – Nov 13, 2017
4.	MNIT, Jaipur	Assistant Professor	Aug 3 – Nov 25 2011
5.	PGC, Jaipur	Sr. Assistant Professor	July 2, 2010 – Aug 2, 2011
6.	PGC, Jaipur	Lecturer	July 4, 2008 – July 2, 2009

Achievements:-

1. Qualified UGC NET July 2016 in Computer Science & Applications.
2. Star performance award from JGI, Jodhpur for continuously 5 years (2012- 2017).
3. Star performance award from Poornima Group of Colleges, Jaipur during 2008-09 and 2010-11.
4. Gargi award from Government of Rajasthan for secondary exam 2002.

Duties and Responsibilities:-

1. Faculty in Computer Science & Engineering department (both UG and PG programme).
2. Head of Department, CSE department during academic year June 2013 - August 2014.
3. NBA Coordinator's team member in CSE department.
4. 1 International and 1 National conference organizing committee member in Feb, 2014 and March, 2014.
5. Faculty and Student Mentor.
6. Technical Cell Coordinator in CSE department.
7. Company Connect Cell Coordinator in CSE department during 2011-12, 2012-13 and 2013-14.
8. Paper setter and evaluator in Rajasthan Technical University, Kota, Jai Narayan Vyas University, Jodhpur and University of Rajasthan, Jaipur.
9. Open House Coordinator in CSE department during 2012-13, 2013-14, 2015-16, 2016 17 and Sept. 2017.
10. EDC Coordinator during 2015-16.
11. Active member of Proctor cell, Anti-ragging cell and Anti-depression cell.
12. Event coordinator in Department Day and College fest.

Research Publications:-

1. "Comparative study of Mobility Models using MANET routing protocols under TCP and CBR traffic" 6th International Conference on Engineering Technology, Science and Management Innovation (ICETSMI-

2017) under International Journal of Innovative Research in Science and Engineering (IJIRSE) ISSN 2347-3207.

2. "Role of Open Source Technologies for conducting research in Chemistry" National Seminar on Recent Trends in Chemical Research (Progress and Advancement) NSRTCR – 2016.
3. "BFO Optimized Deployment in Self-organizing WSN with movable nodes" International Journal of Engineering, Applied Sciences and Technology, 2016 Vol. 1 Issue 6ISSN No. 2455-2143, Pages 81- 87, April – May 2016 www.ijeast.com
4. "Optimal Sensor node deployment method using Bacteria Foraging Algorithm in Wireless Sensor Network" in Springer International Publishing Standard 2015, Emerging ICT for bridging the future, Vol.2, 2015.
5. "Multi-hop secured video transmission using Dual-channel, Dual-path routing against packet copy attack" in Intelligent Computing and Applications, Advances in Intelligent Systems and Computing, Vol.343, Springer 2015.
6. "Video streaming using Dual-channel Dual-path routing to prevent packet copy attack" in Computational Intelligence & Communication Technology, IEEE International Conference, 2015.
7. "Classification of Swarm Intelligence based clustering methods" in International Journal of Computer Applications, Vol.91, 2014.
8. "Multi-hop video routing methods: state of the art" in International Journal of Computer Applications, Vol.96, 2014.
9. "Cloud computing: Issues and Challenges" in International Journal of Engineering Research & Technologyand International conference ETRASCT, 2014.
10. "Darknet: An Introduction" in International Journal of Engineering Research & Technology and International conference ETRASCT, 2014.
11. "Information Fusion in WSNs: A Review, IJISET- Internaional Journal of Innovative Science, Engineering and Technology, Vol. 1, Issue 4, June 2014 www.ijiset.com
12. "Wireless Sensor Networks: Challenging Issues" in a National Conference on Security Issues in Network Technologies, 2012.
13. "PageRank: A Web mining algorithm" in a National conference on Network & Information Security, 2010.
14. "Next- Generation Wireless Communication System: A path towards 4G" in a National conference on Recent trends in Information Technology: Opportunities and Challenges, 2010.
15. "Semantic Web" in a National conference on Recent Developments in Engineering Mathematics & Information Technology, 2009.

Certifications:
1. NPTEL Online Certification for the course Outcome Based Pedagogic Principles for Effective Teaching, 2017.
2. Microsoft Technology Associate, 2012.
3. IBM Rational SEED, 2012, IBM RAD 6.0, 2010 and 2009.
4. ASP. Net from DZone, Jaipur in 2008.
5. Java Technologies (Java, Advanced Java, J2EE) from CMC, Hyderabad in 2006.

Workshops & Internship:
1. Workshop on "Business Analytics" conducted under the aegis of IBM Career Education Programme in 2017-18.
2. Faculty Development Programme on "Applicatin Development and Deployment using IBM Bluemix" through IBM at Poornima Foundation, Jaipur in June 2017.
3. Short Term course on "Artificial Neural Networks & Fuzzy Logic" by NITTTR, Chandigarh in April 2017.
4. Academy Training Programme on "Big Data Analytics for Smart Grid" at MNIT Jaipur in Dec. 2016.
5. National Workshop on "Outcome based Learning Using Pedagogy Framework Model" at BITS Pilani in collaboration with IIT Kharagpur in Nov. 2016.
6. Faculty Induction and Training Programme by JGI, Jodhpur in July, 2016.
7. Short Term course on "Wireless Networks" by NITTTR, Chandigarh in May 2016.
8. Faculty Development Programme on "Parallel Computing" at MNIT Jaipur in April 2016.
9. Short Term course on "MATLAB and its Hardwar Interface" by NITTTR, Chandigarh in Jan. 2016.
10. Short Term course on "Open Source Technologies" by NITTTR, Chandigarh in Jan. 2016.

11. "Total Quality Management, ISO 9000 and Basics of NBA Accreditation in Technical Institutions" by NITTTR, Chandigarh in 2014.
12. "Mobile Application Development" at Infosys, Chandigarh in 2013.
13. IBM Rational SEED (2012), RAD 6.0 (2010), DB2 (2010), RAD 6.0 (2009).
14. 2 months training on "Computer Networking" from Bharti Airtel, Jaipur in 2007.
15. 2 months training on "Data monitoring & Logging using RS-232" from DRDO, Hyderabad in 2006.

Expert Lectures delivered:-
1. Top-down Parsing at JIET, Jodhpur in 2019.
2. Cloud Computing at JIET, Jodhpur in 2018.
3. IP addressing at JIET, Jodhpur in 2018.
4. Bottom- up Parsing at PIET, Jaipur in 2015.
5. Video Lecture on Non- recursive predictive parsing, 2013.
6. Non- recursive predictive parsing at a PIET, Jaipur in 2011.
7. Principles of programming languages at PIET, Jaipur in 2011.
8. Advanced Data Structures at PIET, Jaipur in 2010.
9. Computer System & Programming at PC, Jaipur in 2010.
10. Expert sessions on C and C++ during Mock- drill at JGI.
11. Orientation lectures on Computer Science: Basics & Careers in I year orientation programme.
12. Many others at JGI level in CSE and IT department.

M. Tech. Dissertations Guided:
1. Comparative study of Random Based Mobility Models Using TCP and CBR traffic for AODV and DSDV routing protocols.
2. Multi-Hop Secured Video Transmission using Dual-Channel Dual-Path Routing against Packet Copy Attack.
3. Optimal Sensor Nodes Deployment Method Using Bacteria Foraging Algorithm in Wireless Sensor Networks.
4. Performance Evaluation of International Data Encryption Algorithm using Text Files.
5. A Comparative Study and Performance Analysis of LSB Based Digital Image Watermarking Algorithms in Spatial Domain.
6. Communication Model: Weather Data Acquisition.
7. Communication Model for communication between system gadgets and computer.
8. Wormhole Attack Detection and Prevention Technique. (Part-I only).
9. Implementing security mechanism for dynamic allocation of resources to VP agents (Part-I only).

M. Tech. Seminars Guided:
1. Machine-to-Machine Communication: Security Threats and Solutions.
2. Analysis of Routing Protocols in Ad Hoc Network.
3. Analysis of RSA and MD5 Security Algorithm in Cloud Computing.
4. Comparative study of routing protocols in Wireless Sensor Network for energy efficiency.
5. Analysis of IPsec Protocols for Network Security.
6. Structural Text Watermarking Algorithm towards text digital watermarking for copyright protection.

B. Tech. Projects Guided:
1. Like Soldier tracking and heart beat monitoring system, Desktop application for movie ticket booking, Desktop application for motor bike servicing, Virtual Classroom and File compression, Notepad with speech recognition, Kaliedo: An image editor, Virtual Medical home, Optimization Techniques in Compiler, Job portal, Smart city etc.

Personal Details:
Father's Name: Mr. Mahesh Choudhary
Mother's Name: Mrs. Bhoop Kanwar
Date of Birth: July 1
Nationality: Indian

Gender: Female
Languages known: Hindi & English
Permanent Address: 19- A, James Colony, Sector-3, Vidyadhar Nagar, Jipur-302023

I hereby declare that the above written particulars are true to the best of my knowledge and belief.
Date: