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Curriculum Vitae

DR. MONIKA BHARTI

Career Objective:

To take up a career that provides me with responsibilities which commensurate with my skills and knowledge, thereby helping me to add value to the organization, enhance my growth and conceptual skills and motivates me to move ahead faster on learning curve.

Key Functional Areas

- **Specialization Area:** Cloud Computing, Internet-of-Things.
- Skilled in C/C++, Arduino IDE, LATEX, MATLAB, Clust 3.0.

Educational Qualification

Degree	University/Board	Division	Year of passing
Doctor of Philosophy	Thapar Institute of Engineering and Technology	First	June 2018 (submitted)
Masters in Engineering (Computer Science and Engineering)	Thapar University	First	2012

Degree	University/Board	Aggregate % Marks	Year of passing
Bachelor in Technology (Computer Science and Engineering)	Punjabi University	First	2009
XII	C.B.S.E	First	2005
X	C.B.S.E	First	2003

Training

- Six week training in University College of Engineering to develop a project on ‘Hotel Management ‘ using C Language.
- Six month training in SLR, INFOTECH, CHD on MCSE (Networking).

Experience

- Worked for 2 years and 5 months as Assistant Professor in Chandigarh University, Gharuan from August 13, 2012 to January 15, 2015.

Subjects Taught at Post-Graduate Level

- Cloud Computing
- Cryptography and Information Security
- Algorithm Analysis and Design

Subject Taught at Graduate Level

- Database Management Systems
- Computer Networks
- Fundamentals of Computer Programming & Information Technology
- Data Structures

Papers Published in SCI/SCIE Journals

- Monika Bharti, Rajesh Kumar and Sharad Saxena, “Clustering-based resource discovery on Internet-of-Things”, International Journal of Communication Systems, Wiley, 2018; e3501. <https://doi.org/10.1002/dac.3501>. **(I.F: 1.066)**.
 - Monika Bharti, Rajesh Kumar and Sharad Saxena, “Context-Aware Search Optimization Framework on the Internet of Things”, Concurrency and Computation: Practice and Experience, 2018;e4426, <https://doi.org/10.1002/cpe.4426>. **(I.F: 1.133)**.
 - Monika Bharti, Sharad Saxena and Rajesh Kumar, “Intelligent Resource Inquisition Framework on Internet-of-Things”, in Computers and Electrical Engineering, Vol. 58, pp. 265-281, 2017 (Elsevier). **(I.F: 1.57)**.
 - Monika Bharti, Rajesh Kumar and Sharad Saxena, “Autonomous Decision-making Framework on the Internet of Things”, Future Generation Computer System, Elsevier. (Communicated) **(I.F: 3.997)**.
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Papers Published in Non-SCI Journals

- B. Monika and B. Anju , “ Workflow Management in Cloud Computing”, International Journal of Applied Information Systems (IJ AIS) – ISSN : 2249-0868 Foundation of Computer Science FCS, New York, USA Volume 4– No.9, December 2012 – www.ijais.org
- Jatinder Kaur¹, Kamaljeet Kaur², Gurpreet Singh Brar ³, Monika Bharti⁴, “Analysis of a Control system through Root locus Technique”, International Journal of Innovative Research in Science, Engineering and Technology (An ISO 3297: 2007 Certified Organization) Vol. 2, Issue 9, September 2013 Copyright to IJRSET www.ijrset.com 4839
- Jagdeep Kaur¹, Kamaljeet Kaur², Monika Bharti³, Pankaj Sharma⁴ and Jatinder Kaur⁵,” Reconstruction Using Compressive Sensing: A Review”, International Journal of Advanced Research in Computer and Communication Engineering Vol. 2, Issue 9, September 2013 Copyright to IJARCCCE www.ijarccce.com 3648
- D. Manreet and B. Monika, “Fog computing providing data security: A Review”, International Journal Of Advanced Research in Computer Science and Software Engineering, Volume 4, issue 6, June 2014
- K.Gurpinder and B.Monika,” Securing Multimedia on Hybrid Architecture with Extended RBAC”, International Journal of Computer Science and Information Technologies, Vol. 5 (6) , 2014, 7393-7398.
- D. Manreet and B. Monika, “Securing user data on Cloud using Fog Computing and Decoy Technique”, International Journal Of Advance Research in Computer Science and Management Studies, October 2014,volume2,pg. 104-110.
- Sharma.R and Bharti. M,” Mapping of Tasks to Resources Maintaining Fairness Using Swarm Optimization in Cloud Environment”, 978-1-4799-6896-1/14/\$31.00©2014 IEEE.
- K. Harsimerdeep and B.Monika,” Review Paper on- Workflow Scheduling Approaches in Cloud Environment”, International Journal of Advanced Research in Computer Science and Software Engineering, May 2014, Vol.4, Pp. 616-619.
- K. Harsimerdeep and B.Monika,” Optimized workflow scheduling in Cloud”, Journal of Bioinformatics and Intelligence,2014.
- K.Gurpinder and B.Monika,” Securing Multimedia on Hybrid Architecture with Extended Role Based Access Control”, Journal of Bioinformatics and Intelligent Control,Vol. 3, 1–5, 2014.
- K.Harsimerdeep and B. Monika,” Review Paper on- Workflow Scheduling Approaches in Cloud Environment”, International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4, Issue 5, May 2014.

Papers Published in Conferences

- M. Bharti, R. Kumar and S. Saxena, “Internet-of-Things: A Survey”, in *Springer-CCIS series "Communications in Computer and Information Science, Springer (in press). Scopus Indexed.* (Springer).

Papers Presented

- Presented paper titled “Internet-of-Things: A Survey” in Smart Technologies in Computer and Communication (SmartTech-2017)” held at Amity University, Rajasthan, March 2017.

Workshops and Conferences Attended

- Attended workshop on “IoT-Internet of Things” held at Thapar University, Patiala, April, 2016.
- Attended workshop on “Fuzzy Sets, Fuzzy Logic and its Applications in Big Data Analytics” held at Thapar University, Patiala, April, 2016.
- Attended Global Initiative of Academic Networks (GIAN) workshop on “Smart Sensors and Internet of Things (IoT)” held at Jamia Milia Islamia Central University, New Delhi, March 2016.
- Attended Global Initiative of Academic Networks (GIAN) workshop on “Design of Cyber-Physical Systems” held at IIT, New Delhi, February, 2018.

Achievements

- Achieved both **Junior Research Fellowship** and **Senior Research Fellowship** under Ministry of Electronics and Information Technology, Government of India.
- Guided four ME Thesis at CU, Gharaun.
- Hands on experience with Hadoop Cloud with multinodes installment
- Hands on experience with LINUX operating system.
- Hands on session representative from Thapar University, Patiala at BGIET, Sangrur.

Extra-Curricular Activities

- Actively participated in ‘Skit’ at national level.
- Actively participated in ‘Group Dance Competition’ at runbhoomi-2008.
- Actively participated in ‘skit’ in Parwaz, a college event and solo dance at farewell party.
- Organized ‘Farewell Party’ at school level.
- Actively participated in ‘Modeling at school level.

Personal Profile

Date of Birth	:	13 th March 1988
Sex	:	Female
Place	:	Ludhiana
Marital Status	:	Unmarried