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ARVIND KUMAR

Arvind Kumar is currently working as a Assistant Professor (Grade-II) in the Department of Computer Science and Engineering/Information Technology, Jaypee University of Information Technology Waknaghat Solan from August 1, 2011 – Till Present Date. Before that, he has also worked as a Faculty Member for 2 years in the Department of Computer Science and Engineering, Faculty of Science and Technology (Formerly ICFAI Tech) from August 10, 2009 – July 22, 2011. He has over 12 years of experience in Academics and Industry in India. He is also a reviewer for various renowned International conferences.

Research Interests

Internet of Things, Computer Networks, Algorithms, Theoretical Computer Science

ACADEMIC QUALIFICATIONS

Ph.D: Computer Science and Engineering (Pursuing) (2015- Till Date)
Indian Institute of Information Technology Guwahati, India
Area of Study: Internet of Things

M. Tech: Computer Science and Engineering (2007-2009)
Indian Institute of Technology Kharagpur, India
Thesis Title: Labeling Images with Computer Game

B. Tech: Computer Science and Engineering (2003-2007)
National Institute of Technology Karnataka Surathkal, India
Project Title: Content Based Image Retrieval System

Journals/Conferences/ Workshops

- Arvind Kumar, Rakesh Matam, Somanath Tripathy (2021). Fault-Tolerant Concurrent Data collection Trees for Industrial IoT Applications. *IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS)* [Hyderabad, India : 13 Dec-16 Dec 2021].

- Arvind Kumar, Rakesh Matam, Mithun Mukherjee (2021). Time Optimal Concurrent Data collection Trees for IoT Applications. *IEEE International Systems Conference (SysCon)* [Vancouver, BC, Canada : 15 April-15 May 2021]

- Shailendra Shukla, Sumeet Singh, Arvind Kumar, Rakesh Matam (2018). Defending Against Increased Rank Attack on RPL in Low-Power Wireless Networks. *Proceedings of the International Conference on Parallel, Distributed and Grid Computing (PDGC)* [5th : Solan Himachal Pradesh, India : 20-22 Dec. 2018]

- Divyansh Thakur, Yugal Kumar , Arvind Kumar, Pradeep Kumar Singh (2019). Applicability of Wireless Sensor Networks in Precision Agriculture: A Review. *Wireless Personal Communication, 2019* (1), 1-42. Google Citation

- Divyansh Thakur, Yugal Kumar , Arvind Kumar, Pradeep Kumar Singh , Vijendra Singh (2018). Real Time Monitoring of Valeriana Jatamansi Plant for Growth Analysis. *Procedia Computer Science, 132* (2018), 507-517

- Arvind Kumar, Rakesh Matam, Shailendra Shukla, "Impact of Packet Dropping Attacks on RPL", 2016 Fourth International Conference on Parallel, Distributed and Grid Computing (PDGC)

- Attended a International Workshop on Machine Learning and Text Analytics, South Asian University, New Delhi, Dec 2013

- Attended a Workshop on Excellence in Teaching, Research & Education – by Design, JUIT Wakanaghat, July 2014

- Attended a Workshop on Virtualization & Cloud Computing Fundamentals & Practical Approach, JUIT Wakanaghat, July 2015

- Attended a Workshop on Cyber crime & Forensic Tools through ICT, Sponsoring agency-NITTR Chandigarh (MHRD) at JUIT, Wakanaghat, February 2017.

- Attended a Workshop on Virtual Labs, Sponsoring agency-IIT Delhi (MHRD) at JUIT, Wakanaghat, Febrruary 2017.

- Attended a Workshop on Computer Forensics, IIT Delhi, Oct 2017

Short Term Courses/FDPs

- Attended a STC on Cloud Computing through ICT, NITTTR Chandigarh, Oct 2017
- Attended a STC on Wireless and Mobile Communication through ICT, NITTTR Chandigarh, Oct 2017
- Attended a Online FDP for Google Classroom and G Suite, JUIT Wakanaghat, Aug 2020.

Member in Professional Societies

1. IEEE
2. ACM

Awards and Recognitions

Ministry of Human Resource Development (MHRD), India

1. M.Tech. Fellowship (through GATE), 2007-2009

PhD/M Tech/Btech Students

PG: 02 students has been guided so far.

UG: 50+ students have been guided so far

Courses:

Current Semester

1. Computer Networks
2. Software Engineering Practices

Previous Courses

1. Introduction to computers and programming
2. Object-Oriented Programming
3. Fundamentals of Algorithms
4. Advanced Algorithms
5. Theory of Computation
6. Compiler Design,
7. C# and VB.Net.

Laboratory

Current Semester

1. Computer Networks Lab
2. Software Engineering PracticesLab

Previous Semesters

1. C programming Lab
2. Object-Oriented Programming Lab
3. Algorithms Lab
4. UNIX programming Lab