

## **Professional Qualifications:**

- M.Tech(Computer Science & Engineering),Jaypee Institute of Information Technology & University , Noida
- B.Tech. (Information Technology), United College of Engineering & Research , Naini, Allahabad

## **Teaching Experience (in Years):8 Years**

**Subjects of interest:** Computer Network, Data Compression, Cryptography and Network

Security, Data Mining, Software Engineering , Cyber Security, Object Oriented Systems, Data Network, Computer Architecture , UML, Mobile computing, C programming

## **Academic achievements:**

### **1. International Journals (5)**

- 1) **Kamna Singh**, Diksha Dani, "Web Navigation Model based on linear probabilistic approach", International Journal of Advanced Research in Computer Science(IJARCS), volume 2,No. 4, IV issue , June 2011 .
- 2) **Kamna Singh**, Shweta Chaku, Amrita Bhatnagar "Extraction of Observer pattern and Visitor Pattern through Object Oriented Technique, International Journal of Advanced Research in Science & Engineering (IJARCSE),Published in Vol 4,Issue 05,May 2015
- 3) **Kamna Singh**, Shweta Chaku, Amrita Bhatnagar, "Texture Decomposition using Morphology Image Processing", nternational Journal of Research and Electronics and Computer Engineering (IJRECE),Published in Vol 4,Issue 15,June 2015
- 4) **Kamna Singh**, Shweta Chaku, Amrita Bhatnagar," Analytical and Comparative Approach of Laws in Cyber Space( A Geographical Spectrum), International Journal of Advanced Research in Science & Engineering (IJARCSE), Published in Vol 4,Issue 25,May 2015
- 5) **Kamna Singh** "Optimistic Approach of High Speed Downlink Packet Access", International Journal of Computer Science and Information Technology (IJCSIT), published in Vol 8 Issue 3, pages 401-406 ,June 2017 in

### **2. International Conferences(3)**

- 1) Kamna Singh," Visualization of Object Oriented Concepts with UML", International Conference on IMS(Advance Information Management and Services) to be held in 25-27 August ,2009 , Seoul Korea. Published in **IEEE conference**.
- 2) Kamna Singh , Diksha Dani "Web Metrics: Methodology and paradigm", ICDM 2010(International Conference in Data Management in Information Management and Technology Area, to be held in Apr 2010 Institute of Management Technology (IMT). Raj Nagar, Ghaziabad, Uttar Pradesh, India.
- 3) Kamna Singh ," Automatic Conversion of Source Code to UML diagrams " in 5th ICCIT: 2010 International Conference on Computer Sciences an Convergence Information Technology (ICCIT2010), published in **IEEE explorer** (November 30 - December 2, 2010 in Seoul, Korea)

## **Faculty Development Program/STTP/workshop attended:**

- Ten days workshop on " Teaching Methodology: Mission 10X program" organized by Wipro, held in Inderprastha Engineering College , Ghaziabad , July 2010
- One Day workshop on "Sci Lab ",conducted by IPEC ,Ghaziabad, may 2011

- One day NPTEL workshop in 2013
- Seminar on “Patents and copyright “ , organized by IPEC ghaziabad, 2013
- Android workshop organized by IPEC , 1 Mar 2014.
- PHP workshop organized by IPEC , 29 mar 2014
- Seminar on “ Cloud Computing” held in IPEC , ghaziabad,5 Apr 2014
- One day workshop on “Getting familiar with Linux-Ubuntu” organized by CEPTA INFOTECH PVT LTD,held in IPEC, Ghaziabad in September ,2014.(CERTIFIED)
- One day workshop on “Fundamentals of Research Methodology” organized by Department of Management Studies, IPEC, Ghaziabad in May ,2015.(CERTIFIED)
- Seminar on “cloud computing and software engineering” held in Inderprastha Engineering College , Ghaziabad.

- Seminar on “A practical approach to handle large classes: a case study for keeping session alive”, 17 Oct 2014
- workshop by Reema Sehgal, Sep 2014
- Webinar attended in Web data using HADOOP, 20 Sep 14
- One day Workshop on “ Ethical Hacking” , 6 Feb 2015.
- workshop on fundamental on research methodology, 2 May 2015
- FDP on Cyber/Network Security and Ethical hacking (11-13 Aug 2016)
- FDP on Cryptography and Algebraic coding Theory , Organized by AKTU (5 day Workshop 14 Mar to 18 Mar 2017)

### **Honors and Awards Received:**

- Winner of ‘**Rajyapal Puraskar**’ in Guiding.
- Secured Second rank in High school Examination in School .
- Scholarship in M.Tech. (Teaching assistantship).
- National Scholarship in Intermediate.
- National Scholarship in High school.

### **Supervisory support provided:**

**1. No. of M Tech Thesis Guided:** Completed: 1 Ongoing: 0

### **Membership of professional Societies:**

- Associate Member of Indian Institute of Engineers, membership no. is AM151585-6
- ACM(association for computing machinery) ,membership no. is 8051358
- IACSIT(international association of computer science and information technology)
- Associate Member of UACEE(Universal association of computer & electronics)
- CSTA(computer science teacher association),membership no. is 8051358
- IAENG(International Association of Engineers), membership no. is 150075