



Mrs. ALKA SINGH

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Career Objective

To be a part of an organization where process of learning never ends and my imagination takes wing to new heights.

Professional Preface

- Dynamic individual with **9.4 years** of experience in Academics.
- Exceptionally organised with a track record that demonstrates creativity and initiatives to achieve set goals.
- Crystal clear understanding of the underlying principles of the subject and its relevancy to another domain.

Academic Qualification

- M.TECH in Computer Science and Information Security **2014** – KIIT University scored **7.67cgpa**
- B.TECH in Computer Science and Engineering **2012** – Himachal Pradesh University scored **65.75%**
- XII from Central Board of Secondary Education -2006 scored **60%**.
- X from Central Board of Secondary Education -2004 scored **68.16%**.

Work Experience

- **Organization: Ashoka Institute of Technology & Management. Place: Varanasi, U.P. India.**
- **Designation: Assistant Professor, Duration: 08-08-2023 to till date.**
- **Organization: Babu Banarasi Das Engineering College. Place: Lucknow, U.P. India.**
- **Designation: Assistant Professor, Duration: 04-09-2014 to 30-06-2023**
- **Subject Taught:** Operating System, Artificial Intelligence, Machine Learning, Principle of programming language, Object Oriented System Design, Software Engineering, Cyber Security, Introduction to Soft computing, E-commerce, Computational based Numerical Techniques, Digital Electronics, Pattern Recognition, Introduction to Cyber Security & Cyber Law.

Training Undergone

- Six Week Summer training on “PRINT PACK in **Core Java** and **MySQL**” on **Alpha Net Technologies Pvt. Ltd. Chandigarh.**
- Eight week Industrial Training in “**Asp.Net**” on **High Technologies Solutions New Delhi.**

Additional Qualifications /Achievements /Certifications

- One Week FDP on Case Research organized by **New Delhi Institute of Management, 16 to 22 December 2023**
- Five Days **Online Faculty Development Programme(FDP)** on "**Trends in Technological Intelligence 2023 (T2 I-2023)**" organized by the Departments of Electronics & Communication Engineering and Electrical Engineering, **BBDNIIT** from August 21 to 25, 2023.
- Five Days **Faculty Development Programme(FDP)** on **Full Stack Application Development with MS Azure Cloud under TechSaksham** from **9th October 2023 to 13th October 2023**.
- Five Days **Faculty Development Programme(FDP)** on "**Building advanced data analytics applications with cloud**" under next gen employability program from 16/10/2023 to 20/10/2023 Edunet foundation with ATAL academy.
- Five Days **Faculty Development Programme(FDP)** on "**AI & Cloud: Workshop on responsive AI in the cloud: Leveraging Generative power in the Cloud under TechSaksham** from 18th September 2023 to 22nd September 2023.
- Lifetime Member of **CSI- Computer Society India**
- **Reviewer** in IEEE Sponsored International Conference on IoT, Communication and Automation Technology-2023 (**ICICAT-2023**).
- Awarded as **Best Faculty for the session 2021-22** on the occasion of **Teacher's Day**.
- Delivered **Guest Lecture** on "**Teaching Methodologies: Blended mode & Flipped Learning**" at **School of Education, BBDU, Lucknow** on **28 September 2022**.
- **NPTEL Certification on Software Engineering.**
- **NPTEL Certification on Operating System.**
- **NPTEL ELITE Certification on Accreditation and Outcome based Learning.**
- Attended **Robotics Workshops** Organized by **Robosapiens Technology Pvt. Ltd.** and **IIT Kharagpur** at **IITT COE, Kala Amb, HP.**
- Attended **9th International Conference on Distributed Computing and Internet Technology** at **KIIT University, Bhubaneswar.**
- Attended **Faculty Development program** organized by **TCS** on **CRM & Educating through innovative communication** at **BBDU.**
- **8 days FDP** on "**Universal Human Values and Professional Ethics**" organized by **TEQIP- III** and conducted by **Value Education Cell, AKTU Lucknow** at **Babu Banarasi Das National Institute of Technology & Management, Lucknow** from **21st Dec to 28th Dec 2018**
- **Short Term Course/FDP** on "**Introduction to Programming: A Pedagogical Approach**" conducted by the **Centre for Continuing Education, IIT Kanpur** from **August 13-18, 2019** funded by **Technical Education Quality Improvement Programme Phase-III, AKTU**
- **One Week FDP** on "**Accreditation and Outcome Based Learning**" conducted by **NPTEL-AICTE** from **August-October 2019**
- **3 days MDP** on "**Managerial Decision Making under Uncertain Environment**" for the faculty members of **AKTU** affiliated engineering colleges held during **October 18-20,2019** conducted by **IIM, Lucknow**
- **One Week FDP** on "**ML and Data Analytics using Python**" conducted by **Electronics & ICT Academy, IIT Roorkee** at **Babu Banarasi Das Engineering College, Lucknow** from **27 Jan-31 Jan, 2020**
- **4 days Online Course Examination Reforms** conducted during **29 April to 2 May 2020** organized by **AICTE**
- **Online One Week FDP** on **Moodle- Learning Management System**, organized by **Spoken Tutorial Project- IIT Bombay** from **15th May to 19th May, 2020** remotely at **Babu Banarasi Das Engineering College, Lucknow**
- **Online One Week FDP** on "**Exemplary Practices in Teaching-Learning and Evaluation of Courses in Computer Science & Information Technology**" from **August 3 - 7, 2020** conducted by **VTU, Kalaburagi** and **IIIT, Allahabad**
- **Online One Week FDP** on "**National Education Policy: A Way Forward**" conducted by **BBDEG, Lucknow** in collaboration with **ICHR & ICPR, Ministry of Education (Govt. of India)** from **September 11 to 16, 2020**

- **(ATAL) Academy Online One week FDP on "Machine Learning and Applications" from October 1 to 5, 2020 at Kalinga Institute of Industrial Technology, Bhubaneswar**
- **Online Two Week FDP On "R Programming Language" from January 18 to 30,2021 by BBDEC, Lucknow in Collaboration with Spoken Tutorial Project, IIT Bombay**
- **(ATAL) Academy Online One week FDP on "Cyber Security" from February 1 to 5, 2021 at JNN College of Engineering, Shivamogga**
- **(ATAL) Academy Online One week FDP on "Blended Learning and Flipped Classroom" from February 8 to 12, 2021 at Sardar Vallabhbhai National Institute of Technology, Surat**
- **One Week Online FDP on "Cyber Security" conducted by Electronics & ICT Academy, IIT Kanpur from 8 Feb-13 Feb, 2021**
- **One Week Online FDP on "Python" conducted by Electronics & ICT Academy, IIT Kanpur from 01 March-6 March, 2021**
- **One Week Online FDP on "Cloud Computing" conducted by Electronics & ICT Academy, IIT Kanpur from 22 March-27 March, 2021**
- **Five days National workshop on "Hands-on Sessions in Drafting & Filing Procedure of Intellectual property Rights" held from 03 May to 07 May, 2021, jointly organized by Cell for IPR Promotion & Management (CIPAM) and Department of Electronics & Communication Engineering, Arya College of Engineering & IT, Jaipur, Rajasthan**
- **One Week Online FDP on "Advanced Excel with Data Visualization" conducted by Electronics & ICT Academy, IIT Kanpur from 31 May-5 June, 2021**
- **(ATAL) Academy Online One week FDP on "Artificial Intelligence for Computer Vision" from July 26 to 30, 2021 at IIT, Roorkee.**
- **Online One week Faculty Development Program on "Artificial Intelligence & Machine Learning Techniques", organized by Department of Computer Science & Engineering under Institutions Innovation Council, Babu Banarasi Das Engineering College, Lucknow in association with Tevatron Technologies Pvt Ltd & Hexnbit Edtech Pvt Ltd from October 4-8,2021**
- **AICTE-ISTE Refresher Programme one-week online FDP on "Cryptology and Network Security" at PSIT, Kanpur from January 7-13, 2022**
- **One Week Online FDP on "Data Analysis using Advanced Excel" conducted by Electronics & ICT Academy, IIT Kanpur in association with BBDNIIT, Lucknow from February 01-07,2022**
- **Five days online FDP on "Emerging Technologies with applications in Electronics & Communication-2022 during 31st Oct – 4th Nov 2022, organized by Department of Electronics & Communication Engineering at IMS Engineering College, Ghaziabad**

Role/ Responsibilities other than Academics

- **Student Branch Councillor of CSI- Computer Society India Student Chapter, AITM, Varanasi.**
- **Mentor Mentee Coordinator, Ashoka Institute of Technology & Management, Varanasi.**
- **Worked as Faculty Coordinator of CSI- Computer Society India Student Chapter, BBDEC.**
- **Worked as Admission Counselor in Admissions BBDEG.**
- **Worked as Faculty Coordinator in official Cultural community, SANKALP, BBDEC.**
- **Member of Academic Cell, BBDEC.**
- **Member of Value Education Cell, BBDEC.**
- **Worked as Department In-charge, CSE, BBDEC.**
- **Member of Proctorial Team, BBDEG.**
- **Faculty Coordinator of official Technical Community, ENIGMA, BBDEC.**
- **Convener of Institution's Innovation Council, BBDEC.**
- **Member of Internal Complain Committee, BBDEC.**

- Organized various **Events/Workshop, FDP/Webinar, Coding Competition** in **BBDEC**.
- Worked as **Academic Coordinator** of Department of Computer Science & Engineering, **BBDEC**.

Publications/Conference

Alka Singh, Susri Sangeeta Mishra, "Cryptography using Cellular automata rules", (IJCA) International Journal of Computer Applications, Issue 4, Vol. 3, 2014, 57-64

S Sangeeta Mishra, Chittaranjan Pradhan, Alka Singh, "Comparative Study of Motion Estimation Techniques in Video", (IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 5 (3), 2014, 2982-2989

Alka Singh, Devashish Kumar, "Privacy Preservation and Key recovery in cloud storage", (ICSCTET-2014) International Conference on Soft computing Techniques for Engineering & Technology. (Presented)

Shubhraj Sehgal, Avinash Gupta, Alka Singh, Preeti Singh, "ADOPTION OF PROPRIETARY ONLINE EDUCATION SOFTWARE AS COMPARED TO FREE AND OPEN-SOURCE SOFTWARE IN COLLEGES AT A BASIC LEVEL IN THE INDIAN LANDSCAPE", International Virtual Conference On Artificial Intelligence, 5G Communications and Network Technologies (**ICA5NT 2022**)

Shubhraj Sehgal, Avinash Gupta, Alka Singh, Preeti Singh, "Adoption of Proprietary Online Education Software Compared to Free And Open Source Software in Indian colleges", Journal of Information Technology and Digital World 4 (1), 1-10,2022

Manasi Kaur, Avinash Gupta, Alka Singh, Preeti Singh, "A study on Cryptocurrency web based application with Data Analysis using Python", International Journal of Advances in Engineering and Management (IJAEM) 4 (5), 5,2022

Jyotsana, Alka Singh, Avinash Gupta, Preeti Singh, Atishek Singh, Akshat Rastogi "Blockchain Visualizer Using Blockchain", International Journal of Advances in Engineering and Management (IJAEM) 4 (5), 5,2022

Aakarshit Giri, Dr. Avinash Gupta, Alka Singh, Atul Kumar Verma, Anchal Jha, "Crowd Funding Platforms Using Blockchain Smart Contracts", International Journal of Advances in Engineering and Management (IJAEM) 4 (5), 5,2022

Iqra Kidwai, Alka Singh, Dr. Avinash Gupta, Preeti Singh, Ayush Kumar Gupta, Aman Kumar Gupta, "Evolution of Online Learning System", International Journal of Advances in Engineering and Management (IJAEM) 4 (5), 6,2022

MD Jainisha Chauhan, Avinash Gupta, Alka Singh, Preeti Singh, "Google Chrome Extension Development: Security, Analogy and Technologies Used", International Journal of Advances in Engineering and Management (IJAEM) 4 (5), 4, 2022

Divyansh Srivastava, Preeti Singh, Alka Singh, Jai Srivastava, "Mensmaven, a Fashion Blog and Thrift Store", International Journal of Information Security Engineering (IJISE) 1(1), 2023, 37-43

Ayush Srivastava, Preeti Singh, Alka Singh, "Adoption of proprietary Online Exam Proctoring Software using Multimedia Analytics System", International Journal of Mobile Computing Technology (IJMCT) 1(1), 2023, 25-29

Skills

Languages : Exposure to C, LISP, PROLOG, C++,Python
Proficiency : Java and My SQL.
Operating Systems : Windows, linux.
Software Packages : MS-Office

- Leadership quality.
- Comprehensive problem-solving abilities.
- Excellent verbal and written communication skills.
- Good technical skills that operate for the best outcome before the dead lines.
- Quick learner and strong desire to master new technologies.

Area of Interest

- Operating Systems
- Cryptography
- Network Security
- Artificial Intelligence
- Machine Learning
- Database Management Systems
- Computer Network and Data Communication
- Principle of Programming language
- Software Engineering

Hobbies

- Listening Music.
- Collecting Old Coins.

Strengths

- Good Learning Ability.
- Positive and Optimistic Attitude.
- Honesty.

Personal Details

Date of Birth : 28-October-1989
Father's Name : Mr. Arvind Singh
Linguistic : Hindi, English
Gender : Female
Marital status : Married
Nationality : Indian

Place : Varanasi

Date: 17-01-2024

