

Name: Dr. Sudeep Saraswat

Designation: Associate Professor

Department: Computer Science

Current Institution: Omkarananda Institute of Management and Technology, Rishikesh

Affiliated Universities: Hemwati Nandan Bahuguna Garhwal Central University, Srinagar Garhwal & Sri Dev Suman Uttarakhand University, Tehri Garhwal

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## CAREER OBJECTIVE

To obtain the position of Professor in a reputed academic institution where I can contribute my teaching expertise, research skills, and academic leadership for the advancement of higher education and institutional development.

## EDUCATIONAL QUALIFICATIONS

Degree	Subject	University	Year
Ph.D.	Computer Science	Glocal University	2021
M.Tech	Information Technology	Karnataka State Open University	2011
M.Phil	Computer Science	Alagappa University	2007
M.Sc	Computer Science	MCRP University	2005
B.Sc	Physics, Chemistry, Mathematics	CCS University Meerut	2003
PGDCA	Computer Applications	MCRP University	2004

## Ph.D. Research Topic

Energy Efficient Table Driven and Source Initiated On Demand Protocol for Wireless Sensor Network

## TEACHING EXPERIENCE

Total Teaching Experience: 20+ Years

Designation	Institution	Duration
Associate Professor	Omkarananda Institute of Management and Technology,	July 2025– Present
Associate Professor	Modern Institute of Technology, Dhalwala, Rishikesh	March 2012– July 2025
HOD & Assistant Professor	Samrat Prithvi Raj Chauhan PG College, Haridwar	October 2006 - March 2012

## AREAS OF SPECIALIZATION

- Operating Systems
- Computer Networks
- Wireless Sensor Networks
- Internet of Things (IoT)

- Graph Theory
- Computer Programming
- Numerical Techniques

## RESEARCH PUBLICATIONS

Total Research Papers Published: 14+ Selected Publications:

1. Emergence of Large Language Models: Robustness and Adverse Effects in Medical Imaging–IRJMETS
2. Limitations of Static Shortest Path Algorithms in Dynamic Network Environments– JETIR
3. Investigating Security Vulnerabilities in IoT Smart Home Devices Utilizing NodeMCU ESP8266–IRJMETS
4. Post Quantum Security Imperative: Adapting Cryptography for Tomorrow's Threats– IRJMETS
5. Pipelining in CPU Scheduling: Enhancing Operating System Performance– IRJMETS
6. Energy Path Based Routing Protocol in Wireless Sensor Networks– IRJMETS
7. Optimization of Energy Consumption in Wireless Sensor Networks– IJCRT
8. Blockchain Based IoT Networks Resource Optimization– MAT Journals
9. Direction Based PDORP Routing Protocol– IJARETS
10. Energy Efficient Table Driven Protocol for WSN– IJERMT
11. Role of Information Technology During COVID-19– IRJMETS
12. Application of Graph Theory– IRJMETS
13. Deadlock in Distributed Systems– IRJMETS
14. Collaboration in IPR and Information Technology– IRJMETS

## BOOKS AND BOOK CHAPTERS

Book Chapter

Higher Education 4.0: Strategies for Digital Success Dreambook Publishing House

ISBN: 978-93-6249-685-0

Book

System Analysis and Design Crown Publication

ISBN: 978-93-6426-103-6

## PATENTS PUBLISHED

1. Multi Spectral Image Fusion Using Adaptive Feature Extraction and Deep Learning Application No: 202511056114
2. AI Based Multi Resolution Image Fusion System for Surveillance Applications Application No: 202541068179
3. High Speed FPGA Accelerated System for Real Time Adaptive Video Processing Application No: 202541126614
4. Recently Published A Patent Entitled “A System And Method For Generating High Fidelity Synthetic Train Data Using Generative Adversarial Networks To Enhance Autonomous Vehicle Perception” With Application Number 202641021487.

## FACULTY DEVELOPMENT PROGRAMS / WORKSHOPS / SEMINARS

- AICTE ATAL FDP on Next Gen Communication and IoT (2025)
- AICTE ATAL FDP on Joy of AI in Action (2025)
- AICTE ATAL FDP on Smart Communication in IoT (2025)
- AICTE ATAL FDP on Quantum Computing (2025)
- UGC FDP on NEP 2020 Orientation and Sensitization
- FDP on Cyber Security– Uttarakhand Technical University
- Workshop on Cyber Security and Financial Awareness
- Workshop on Intellectual Property Rights– UCOST
- Workshop on NPTEL– IIT Madras
- Webinar on Post Covid Educational Scenario
- Webinar on Online Learning During Pandemic

## **AWARDS AND HONORS**

- Shiksha Shree Award in 5th All India Educational Conclave & Teacher's Felicitation Ceremony– January 2026
- Honorary PhD in Metaphysics Abide University, UK– June 2023

## **REVIEWER / EDITORIAL BOARD MEMBERSHIP**

Reviewer for 25+ International Peer Reviewed Journals, including:

- International Journal of Research Trends and Innovation
- Journal of Emerging Technologies and Innovative Research
- International Journal of Creative Research Thoughts
- International Journal of Novel Research and Development
- International Journal of Scientific Development and Research
- International Journal of Research and Analytical Reviews
- ASTESJ Journal

Total Research Papers Reviewed: 440+

## **EXAMINATION RESPONSIBILITIES**

- External Examiner for BCA and B.Sc (IT) Viva Voce since 2019
- External Question Paper Setter for HNB Garhwal Central University
- Controller of Examination for BCA, B.Sc (IT), B.Sc (CS), M.Sc (IT)
- University Answer Sheet Evaluator since 2013

## **INSTITUTIONAL RESPONSIBILITIES (IQAC)**

- Head– Institutional Research Committee
- Head– Institutional Library Committee
- Associate Head– Discipline Committee
- Member– Cultural Committee
- Member– Sports Committee
- Member– Newsletter Committee

## **PROJECTS**

M.Phil Project  
Component Based Software System for Mobile Computing  
M.Tech Project  
Wireless and Mobile Computing

## **CORE COMPETENCIES**

- Teaching and academic mentoring
- Research methodology
- Curriculum development
- Academic administration
- Student counseling
- Communication and leadership skills