

# CURRICULUM VITAE

## **SUNIL KUMAR, Ph.D., MCA, PGDCA**

Assistant Professor

Sir J. C. Bose Technical Campus, Kumaun University, Nainital

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## **Work Experience**

**September 2011 – till date** - Assistant Professor, Sir J.C. Bose Technical Campus, Kumaun University, Nainital.

Teaching Courses on DBMS, System Analysis and design, E-business, MIS, Computer Network and Web development.

Administrative/other assignments: All IT/Computer related work, maintenance of department website, conduct of examination (entrance and end semester)

**May 2007 – September 2011** - Assistant Professor, Department of e-Commerce, Kumaun University, Nainital  
Taught courses on Management Information System, Operating System and Computer Networks, Software Engineering, RDBMS, Digital Divide and e-Governance, Data Warehousing (Dwh) and Security issues in Network and e-Business.

Supervision of examination and other responsibilities assigned from time to time.

**April 1994 – May 2007** - Senior faculty member in department of Computer Science at Army School, Hempur Distt. U.S. Nagar

**June 1992 – April 1994** - Junior Programmer cum teacher at Computel Systems & Services, New Delhi

## **Visiting Faculty/counseling**

**March 2004-December 2015**- Academic Counsellor at IGNOU Study Centre, Moradabad (Accredited as “BEST STUDY CENTRE” of the Aligarh Regional Centre; 2011)

Taught courses on Artificial Intelligence and Knowledge Management, Data Communication & Networks and Software Engineering to MCA students.

**March 2004 to December 2010**- Academic Counsellor of UPRTOU, Hindu College, Moradabad.

Taught courses on DBMS, Data Networks & Communication, PC Software, and Operating System, C language to BCA, MCA and PGDCA students

**July 2008 – June 2009**- Visiting faculty at Centre of Information and Management (CIM) Kashipur (Uttarakhand), study centre MCRP University, Bhopal (MP).

Taught courses on Artificial Intelligence, Operating Systems & Data Warehousing (Dwh) to M.Sc. (Computer Science) students.

**Visiting professor at Birla Institute of Applied Sciences, Bhimtal, Distt. Nainital Uttarakhand.**

Teaching courses on Enterprise Resource Planning, E-governance to MCA students of Uttarakhand Technical University and Software Engineering to B.Tech Students

**Co-opted member of Board of Studies (BOS)** of Department of e-Commerce, Kumaun University, Nainital  
Paper setter of different universities

Master trainer for the Learning Teacher Training Program from 16<sup>th</sup> May 2005 to 30<sup>th</sup> May 2005 under the umbrella of project Microsoft – Shiksha.

Resource person for the Professional Development Programme (PDP) conducted by Academic Staff College, Kumaun University, Nainital

Reviewer member at Teerthankar Mahaveer University, Moradabad (UP)

Reviewee member at 8th IEEE Uttar Pradesh Conference

Reviewer member at 4th IEEE International Conference on Big Data and Computational Intelligence, Kumaun University, Nainital

## **Education**

### **Ph.D. (Computer Science) 2019**

Gurukula Kangri Vishwavidyalya, Haridwar (Uttarakhand) (Central Deemed University)

**Thesis Title:** “Development and Analysis of Soft Computing Techniques for forecasting agricultural production”

### **Master in Computer Application (MCA)**

2001-2003 Indira Gandhi National Open University, New Delhi.

### **Post Graduate Diploma in Computer Application (PGDCA)**

1991-1992 Birla Institute of Technology (Deemed University), Mesra, Ranchi (Jharkhand)

### **B.Sc. (Mathematics Group)**

1988-1991 D.S.B. Campus, Kumaun University, Nainital, Uttarakhand

### **Expertise/ Interest**

Data Communication and Networks, Software Engineering, Artificial Intelligence and Knowledge Management

## **Journal Publications**

1. Sunil Kumar, Vivek Kumar and R. K. Sharma,” Artificial Neural Network Based Models for Rice Yield Forecasting,” *International Journal of Computational Intelligence Research*, vol. 10, no. 1, pp. 73-90, 2014. (Research India Publications).
2. Kumar, Sunil & Kumar, Vivek & R.K, Sharma. (2015). Sugarcane Yield Forecasting using Artificial Neural Network Models. *International Journal of Artificial Intelligence & Applications*. 6. 51-8. 10.5121/ijai.2015.6504.

3. Gopal Datt, Ashutosh Kumar Bhatt and Sunil Kumar, “Disaster Management Information System Framework using Feed Forward Back Propagation Neural Network”, *International Journal of Advanced Research in Computer and Communication Engineering*,” vol..4, no. 3, pp. 510-514, March 2015.
4. Sunil Kumar, Vivek Kumar, R. K. Sharma, “Rice Yield Forecasting Using Support Vector Machine”, *International Journal of Recent Technology and Engineering (IJRTE)*,” Vol. 8, no.4, pp. 2588-2593, November 2019. DOI:10.35940/ijrte.D7236.118419 Scopus Indexed Journal
5. Kumar, S., Bhatt, A. K., & Mishra, R. K. (2022). Digitization and Digital Preservation of the Heritage Sites of Uttarakhand Using Machine Learning and Innovative Techniques. In A. Saxena, A. Bhatt, & R. Kumar (Ed.), *Artificial Intelligence for Societal Development and Global Well-Being* (pp. 148-162). IGI Global. <https://doi.org/10.4018/978-1-6684-2443-8.ch009>

### **Conferences/Seminars/Workshops**

1. Workshop on **MATLAB** April 23-24, 2009, organized by Dr. B.R. Ambedkar University, Agra .
2. Faculty Development Programme on spoken Tutorial based Software Training organized by Kumaun University, Nainital in collaboration with the Spoken Tutorial Project, IIT, Bombay, March 11<sup>th</sup>, 2014.
3. Webinar on “Demystifying Analytics and Fantastical Beasts” July 18, 2020 organized by FMS and FT, Gurukula Kangri University, Haridwar.
4. Webinar on “Data Analytics with Power BI” August 08, 2020 organized by Department of Computer Science and Engineering/School of Computing with collaboration of Computer Society of India, Student Chapter, Graphic Era Hill University in association with DUCAT, Noida
5. Faculty Development Programme titled “Emerging Trends in Information Technology 2021” organized by Department of Computer Engineering, St. Joesph Engineering College, Mangluru, March 15-19, 2021.
6. Faculty Development Programme titled “Current Trends and Future Prospects in Data Science” from Department of Computer Science, Central University of Rajasthan, January 10-14, 2022.

### **Lectures Delivered**

1. Key note address at workshop on “ANN & SVM- a practical approach” at Bipin Chandra Tripathi Kumaon Engineering College Dwarahat, Distt. Almora, 3<sup>rd</sup> December 2016 under the umbrella of TEQIP (**Technical Education Quality Improvement Programme**)
2. Key note address at the workshop on the topic “ANN and its Applications”, organized by Computer Society of India (CSI) at Graphic Era Graphic Era Hill University, Bhimtal Campus, on 12 September, 2017.
3. Invited Lecture in the one-week faculty development programme on “Advances of Artificial Intelligence and Machine Learning in Societal Development” organized by School of Computer Science and IT, Uttarakhand Open University, Haldwani under AICTE Training & Learning (ATAL) Academy, August 16-20, 2021.

4. Lectures on “Internet of Things” at Vivekanand Education Society, Kashipur for DOEACC “O” level students, August 28-29, 2021.

### **Book Chapters/MOOC**

1. Self-Learning Material (SLM) for MBA “IT and MIS”, Unit 5, 6, 7, 10, 18, 19, 20, 22  
Publisher Uttarakhand Open University, Haldwani, Nainital, Accepted for publication.
2. “Geographic Information System” for Technology Enabled Learning under the umbrella of Uttarakhand Science Education & Research Centre (USERC), Govt. of Uttarakhand ISBN: 9789381089347.
3. Developed the five Videos lectures (JAVA) for the various topics (MOOCs) under the “**SWAYAM PRABHA**” project governed by Uttarakhand Open University, Haldwani, Uttarakhand
4. Allocated the assignment for development of Videos lectures (online course on Web Technology) and Teaching Learning Material (TLM) under the “**SWAYAM PRABHA**” project governed by Uttarakhand Open University, Haldwani, Uttarakhand

### **Personal Profile**

*Date of birth* : January 10, 1970  
*Father's Name* : (Late) Shri H.R. Arora  
*Mother's Name* : (Late) Smt. Nirmla Arora  
*Permanent Address* : 144, Azadnagar, Tanda Ujjain, Kashipur  
Distt.U.S.Nagar (Uttarakhand)  
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### **References**

1. **Professor (Dr.) R. K. Sharma**  
Vice Chancellor,  
Jaypee University of Information Technology (JUIT)  
Waknaghat, Distt. Solan, HP  
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2. **Professor (Dr.) R.C. Mishra**  
Director, School of Commerce and Management  
Uttarakhand Open University  
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