Dr. Naresh Kumar

Assistant Professor

Mathematical and Physical Sciences - Computer Sciences Section

College of Arts and Sciences

University of Nizwa, Sultanate of Oman

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Office Location: 11G-7

Time at UoN: Since 2022

Marital Status: ..

Dr. Kumar is currently working as an assistant professor in Computer Science at the Department of Mathematical and Physical Sciences (DMPS), College of Arts and Sciences (CAS), University of Nizwa (UoN), Sultanate of Oman. He joined University of Nizwa in 2022 as an assistant professor in Computer Science. DMPS is the department running four sections in Science & Education: Computer Science (B.Sc. and B.Ed., Diploma and Master in Data Science), Statistics (B.Sc.), Physics (B.Sc., B.Ed.), and Mathematics (B.Sc., M.Sc., and B.Ed.). ** ********************** ************************** Dr. Kumar has served as HoD of DMPS for holding responsibilities of all sections in summer 2023. Before joining UoN, He served as an Assistant and then Associate Professor in reputed university (Delhi University, Central University Haryana, Quantum University, Uttarakhand Technical University) where he trained graduate, postgraduate, and PhD students in science and engineering domains on various academic and research problems. His research area belongs to Computer Vision, Data Science, and Artificial Intelligence, and image video processing for multidisciplinary applications. Some of the key research areas are always open for undergraduate/graduate and Ph.D. students to work in my supervision. Some of the current research problems are open for applicants as follows: ** 1) Visual change detection: Video and image processing based well sounded problems referred as "Tracking, Detection, Localization and classification" it's not limited for e.g. Drone based farm tracking, fruit quality prediction, healthcare modeling, tracking and disease modeling etc.

*** **************** ************************* 2) Agriculture and Food quality enhancement** 3) Sustainable development of the natural resources with data science algorithms.** 4) Human healthcare and societal issues: robotic surgery, tool technology for visually impaired people and connecting them with society.** Without any delay, shoot an email (naresh@unizwa.edu.om) with the following things: ** 1) Recent CV maintained all records with proof. ** 2) Report of previous work done.*** 3) Proposal of research problem in which the candidate is interested.** 4) Two strong recommendations from the reputed research/academic institution.*** NOTE: Students, Trainees/, Research scholars are encouraged with university guidelines to pursue their goals with me.

[Dr- Naresh UoN CV.pdf](#)

Academic Qualifications

Doctor of Philosophy(Ph.D.) Multimedia Data Science , Indian Institute of Technology, 2019

Teaching Activities

COURSE TAUGHT TILL DATE:, COMP633: Computer Vision and Pattern Recognition (Master Course), FALL 2024

COMP450: Image Processing, FALL-2024

COMP101: Computer Skills , Fall2022-Till date

COMP277: Networks and Communications, Fall2023-Till date

COMP497: Special Topics in Computer Science(Data Mining and Machine Learning), Spring 2024

COMP631 Advanced Digital Image Processing, Master Course, Spring 2024

COMP422: Artificial Intelligence , Spring 2023

COMP614: Big Data Fundamentals, Master Course, Fall2022

COMP603: Computer Simulation and Modelling , Master Course, Spring 2023, Spring 2024

COMP270: Web Development, Summer 2023

COURSE INTEREST BELOW:

Data Structures and Algorithms

Programming Languages

Data Science

Machine Learning

Artificial Intelligence

Operating Systems

Discrete Mathematical Structures

Theory of Computations

Research Activities

- Research Interests

Computer Vision

Data Science and Multimedia Analytics

Machine Learning

Artificial Intelligence

Natural and Biomedical Image and Video Processing

Faculty Administrative Experience

2023 - Present: Graduation Project Coordinator(Representing all sections Computer

Science, Mathematics, Physics, and Statistics) at College

2023 - 2023: Head of Department (Acting for Summer 2023) - DMPS, CAS, University of Nizwa, Oman

Headship :Summer- 2023

2022 - Present: Program Coordinator (B.S. Computer Science) - Computer Science, University of Nizwa

Membership in Professional Bodies

2023-Present: Springer Nature(Guest Editor): Internet of Things with Smart Trends and Intelligent Devices for Future Generation[Journal: Discover Internet of Things]

2021-Present: Guest Editor, Recent Advances in Computer Science and Communications, Bentham Science Journal for Fourth Industrial Revolution Based Technology and Practices

2020-Present: Editorial board member in Journal of Information Engineering and Applied Computing

2017-Present: IEEE, Membership, (ID-92577805)

1: GRG(MOHE) Mentorship for master students 2023-2025. _____ 2: SRG(MOHE) for 2025-2027(Principal Investigator)

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Ref.: https://www.unizwa.edu.om/staff/cas/naresh