

Brief Profile of Dr. Upendra Kumar

email : upendra.ietlko@gmail.com

Additional Responsibilities

Associate Dean of Student Welfare in IET Lucknow Since 2017 onwards and served as Associate Dean of Computer Application and Associate Dean of Student Welfare in AKTU Lucknow since 2022 to 2026

Educational Qualifications

Ph.D. (Computer Science & Engineering) under supervision of Dr. Tapobrata Lahiri, Professor, IIIT Allahabad, India in 2015 from AKTU Lucknow.

M.Tech from the Indian Institute of Information Technology, Allahabad, First Honours, CGPI - 9.19/10.

B.Tech from Uttar Pradesh Technical University, Lucknow, India, First Honours, 75.6 %.

Intermediate (10+2) from G.I.C. Allahabad, India with First Division, 70.10 %

High School (10th) from G.I.C. Allahabad, India with First Honours, 78.60 %

UGC-NET and GATE:

Qualified (Two times) UGC-NET December 2014, June 2015

Qualified (Two times) GATE Feb 2006, Feb 2016.

Research Interests

Human Cognition inspired Models, Artificial Intelligence, Fractal and Chaos based Theory, Image Processing, Biomedical Signal Processing, Soft Computing, Pattern Recognition, Robotics and Embedded in C, Machine Vision, Deep Learning, Explainable AI, Cyber Security and Cryptography

Dr. Upendra Kumar is working as Assistant Professor in Department of Computer Science and Engineering, in IET, Lucknow, India. He is also Associate Dean of Student Welfare in IET Lucknow since 2017 onwards and also served as Associate Dean of Student Welfare in AKTU, Lucknow, India for around 04 years. He has done M.Tech. (IT) from IIIT Allahabad, and Ph. D. in Computer Science &

Engineering from AKTU, Lucknow, India. He is member of World Research Fellow of London (WRFL) run by Universal World Research Innovation Centre, London, UK since July 2025. He is also member of academia for constitution of advisory board for providing incubation services at STPI- UP (society under Ministry of Electronics & Information Technology (MeitY), Government of India) incubation center, since 24/06/2021.

Funded Research Projects:-

1) Cryptography, Strengthening research & education in Information Security, Information Security Education and Awareness (ISEA) Project Phase III, funded by Ministry of Electronics and Information Technology (MeitY), Government of India

for 05 years in coloboration with Indian Statistical Institute Kolkatta, IIIT Bhuwneswar, ISM Dhanbad etc., funding amount INR 2.016 crore (Approx.).

2) Artificial Intelligence-Driven Chronic Pain Management with Mobile App Integration for Empowering Primary Healthcare Physicians, funded by Indian Council of Medical Research (ICMR), New Delhi, India, for 03 years,

in coloboration with SGPGI Lucknow, AIIMS New Delhi, AIIMS Mangalagiri, CAS AKTU etc. funding amount INR 1.61 Crore (Approx.)

3) Development of Robust Sign Language and Hand Gesture Recognition System Using Image Processing and Machine Learning for Communication and Education of Hearing and Speech Impaired (HSI) people (Project ID-4204), funded by Council of Science and Technology, U.P., funding amount INR 13.08 Lakhs.

Ph. D. Supervision:

Awarded: 03

Ongoing: 03

M. Tech. Thesis Supervision:

Awarded: 21