

Profile: Dr. Amiya Kumar TRIPATHY

- Dr. Amiya Kumar Tripathy is a Professor in Computer Engineering at Don Bosco Institute of Technology (DBIT), University of Mumbai, India. He is the Director of Centre for GeoAI & Machine Learning at DBIT and had been the Dean of Research & Development. He is also an adjunct Professor to School of Science, Edith Cowan University (ECU), Perth, Australia. He had been Visiting Researcher and Research Mentor to Smart Farming Project at RM University of Technology, Bangkok campus, Thailand. Dr. Tripathy had been the Secretary to Rashtriya Uchchatar Shiksha Abhiyan (RUSA), Government of Maharashtra, India for Higher studies in Geo-Spatial Technology. He had been Chairman to the IEEE Geoscience & Remote Sensing Society, Bombay Chapter.
- He is the Executive Editor to DBIT Journal of Science and Engineering and Guest Editor to the MDPI journal “Advances on Cloud Computing and Internet of Things”. He had been Editorial board member of IEEE Transactions on Computational Social Systems and Elsevier’s Journal of Information Science. He has been the General Chair, Program Chair, Track Chair to many IEEE/ACM Conferences, Symposiums and has delivered many keynote/ plenary talks. Dr. Tripathy earned Ph.D. from Indian Institute of Technology Bombay (IIT Bombay) Mumbai, India and has been 26 years in Software Industry, Research & Academics having 140 plus publications to repute. He has supervised five PhD scholars and five are in progress. His research domain are of Data Science, Computer Vision, Remote Sensing, Embedded Systems and IoT for Agriculture & Rural Development.

Dr. Tripathy has been carried out and worked collaborative projects like:

(1) Bilateral (DST/JST) project between India and Japan “The Geo-ICT and Sensor Network Based Real-Time Decision Support System for Agriculture and Environment Assessment”. (2) Technologies for Sustainable Urban Agriculture in Smart Cities under Australia-India Scientific & Technological Research Cooperation; (3) Geospatial Data Mining to Assess the Impact of Watershed Development at ECU Australia. (4) IoT Based Farm Monitoring Systems in Thailand farming at RM university of Technology, Bangkok, Thailand. (5) Comprehensive Development plan for Communication of tribal community, Maharashtra, (6) A Geo-spatial Model for Assessment of Agricultural Drought Vulnerability in Marathwada Region of Maharashtra; (7) Finger millet Crop Yield Prediction using Weather and NDVI Time Series Data for southern region of Karnataka. (8) Spectral Vegetation Indices Estimation for the Early Detection of Diseases in Crops Marathawada Region Maharashtra, etc.