

Dr. Prakash Pawar is an Assistant Professor in the Department of Electronics and Communication Engineering at IIIT Dharwad, where he previously served as the Head of Department. With over five years of experience in teaching and research, he specializes in Embedded Systems, IoT, and Machine Learning applications for Smart Grids and Precision Agriculture. He earned his Ph.D. from NITK Surathkal in 2020, focusing on advanced smart energy management frameworks, and holds an M.Tech in VLSI Design from RVCE Bangalore. His technical expertise spans across Embedded C, Python, and Verilog, and he is a professional member of the IEEE.

An active researcher, Dr. Pawar serves as the Principal Investigator for high-impact projects, including a ₹29.21 Lakh initiative for 5G-enabled drone surveillance and Digital Twin technology in agriculture, and a ₹9.60 Lakh project for autonomous humanoid navigation in geriatric care. He has published extensively in reputable journals such as the *Journal of Energy Storage and Measurement*, with his research on intelligent energy management and smart grids garnering over 200 citations. Beyond his academic contributions, he has mentored startups under the MeitY Tide 2.0 scheme and remains deeply involved in institutional development through the Career Guidance Cell at IIIT Dharwad.