

Dr.K. Hema Latha

Dr. K. Hema Latha holds a Bachelor's degree in Mechanical Engineering and a Master's degree with a specialization in Automation and Robotics. She completed her Ph.D. from Osmania University, Hyderabad, in Mechanical Engineering, focusing on the field of "Magneto Rheological Fluid Clutch." With 19 years of teaching experience, she currently serves as an Associate Professor in the Mechanical Engineering Department.

Prior to academia, Dr. Hema Latha worked as a Design Engineer at S.K.M Tools and as a Graduate Engineer Trainee at Hindustan Aeronautics Limited, Hyderabad. She is recognized as a Research Supervisor for the Department of Mechanical Engineering at Osmania University. In addition to her academic role, she serves as the Faculty Advisor for Club Optimus, oversees sessional marks and attendance, manages the departmental newsletter, coordinates seminars, workshops, and guest lectures, and participates in various committees within the institute.

She has an impressive publication record with 21 articles in international journals and 13 in international conferences. She has authored a textbook titled "Introduction to Blockchain Technology" and holds two Indian Design Patents, one Utility Patent, and has a patent publication to her credit. Her research contributions have earned her an h-index of 3 in both Web of Science and Scopus databases.

She is an active member of professional bodies including The Indian Society for Technical Education, Institution of Engineers India, and The Robotics Society. She has received certifications from NPTEL courses and has delivered talks on Mechanical Engineering topics in various reputed engineering colleges.

Her areas of specialization encompass Design, Automation and Robotics, Magneto-rheological Fluids, CAD/CAM, and Vibrations. She has been involved in consultancy projects with HBL and has contributed to R&D projects funded by R&D seed funds of MJCET. She has also secured funding for the YUKTI-Innovation Challenge project sanctioned by AICTE & MoE's Innovation Cell.

Recognitions for her outstanding contributions include the Best Research Award for Innovative Research at the Global Awards on Artificial Intelligence and Robotics AIR2022, as well as the Dr. A.P.J. Abdul Kalam Lifetime Achievement National Award.