

Dr.B.Sathyabama
Assistant Professor, Department of MCA
RV Institute of Technology and Management

Dr.B.Sathyabama is an accomplished academician with 15 years of teaching experience in reputed institutions. She holds a Ph.D. in Computer Science from Bharathiar University, Coimbatore, along with an M.Phil., MCA., and MCA

Her areas of expertise include *Data Mining, Artificial Intelligence, Machine Learning, Software Engineering, and Database Management Systems*. She has handled a wide range of undergraduate and postgraduate courses and is known for her student-centric teaching approach with a focus on practical learning and real-world applications.

Dr.B.Sathyabama has made significant contributions to research, with numerous publications in *Scopus-indexed* and *UGC CARE* journals, as well as presentations in national and international conferences. Her research interests primarily focus on AI-driven healthcare systems, particularly in early diagnosis of Parkinson's Disease using deep learning and multimodal data analysis. She has also published a UK design patent related to AI-based brainwave monitoring for stress detection.

She has authored books including *Introduction to Computer Animation and Database Management Systems*, and contributed book chapters in emerging areas of Artificial Intelligence. She is an active reviewer for reputed journals and a lifetime member of several professional bodies such as *ISTE, IAENG, SAS, CSTA, GSTE, and ICSES*.

She has been recognized for her academic excellence and contributions with prestigious honors including the *Kalam Award* and the *Best Professor Award*.

In addition to teaching and research, she actively organizes workshops, faculty development programs, and student development activities. She has also served as a resource person in various national and international academic events, delivering sessions on emerging AI tools and research methodologies.

Dr.B.Sathyabama is committed to academic excellence, continuous learning, and fostering innovation among students and peers.