



Valli Ramamurthy is an experienced educator with over 27 years of teaching experience in India and Papua New Guinea. She has been teaching IT units at IBSUniversity in Papua New Guinea since 2018 and is also an adjunct lecturer at Southern Cross University, Australia. Previously, she served as an Assistant Professor and Head of Computer Science in colleges affiliated with Bharathidasan University, India.

She has actively contributed to the digital transformation of learning materials as part of an Australian Academic Award Program. Her areas of specialization include **Data Mining, Cybersecurity, Databases, and Artificial Intelligence**. She has guided 25 M.Phil research projects and has published papers in conference proceedings and journals. She has also attended workshops on emerging technologies such as **Big Data, Data Analytics, and Remote Sensing**.

She has also served as a **resource person for AI and technology training programs**, including **AI training for NSOE teachers in Papua New Guinea, AI and cybersecurity training for CPA PNG, and Data Analytics using Excel for NCGM PNG**.

With a growing interest in **climate and environmental sustainability**, she explores how AI and technology can contribute to sustainable solutions, particularly in areas such as carbon footprint reduction and resource optimization.