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He has applied Artificial Neural Networks and machine learning algorithms such as Ant Colony algorithm, Genetic algorithm and Back Propagation algorithm in his research work. He is acquainted with 7 softwares, which includes coding, modelling, analysis and testing. He has published 7 research papers in International Journals, presented 10 papers in International Conferences and 2 papers in a National Conference. He is recipient of 3 best paper awards. His areas of interest are Machine Design, Engineering Mechanics, Kinematics and Dynamics of Machines, Engineering Drawing, Mathematical Modelling, Optimization, Artificial Neural Networks and Machine learning