

**Dr. Pallavi Asthana currently working as Assistant Professor at Amity University, Lucknow, India. She has done her MTech. in Digital Systems and Ph.D. in Computer Science and Engineering. Her academic interest includes Instrumentation, machine learning, Control Systems etc. She has over 20 years of experience in academics as a teacher and mentor of undergraduate and post graduate students. She has contributed to over 50 Journal articles, conference papers and book chapters and serves as reviewer of many international conferences and Journals. She has technical expertise in conducting many national and international workshops, conferences and seminars. Her research interest includes Engineering education, Learning Outcomes, blended learning systems, Machine Learning and Artificial Intelligence. Her most significant contribution in higher education is developing the quantitative tools to measure the Course Learning Outcomes (CLOs) using ‘Learning Co-efficient’ by introducing Trajectory driven pedagogy in undergraduate engineering courses. Having a focus on novel thinking and innovation, she has many copyrights to her credit. She has been actively associated as a Quality Support with the Internal Quality Assurance Cell in the Engineering department of Amity University, Luckow Campus. Her constant efforts are in the direction of integrating the existing learning systems with Artificial Intelligence for creating holistic learning environments.**