Application of Fuzzy Analytic Hierarchy Process in Decision Making

Key Takeaways

❖ Introduction to Descriptive Introduction to Various MCDM Techniques

❖ Limitations of AHP

❖ Fuzzy-AHP methodology and solution approaches

NATIONAL PRODUCTIVITY COUNCIL

Multi-criteria Decision making (MCDM) techniques plays an important role in solving managerial issues involving multiple criteria and alternatives. One of the most widely used methodology is Analytic Hierarchy Process (AHP). Fuzzy AHP is an extension of AHP methodology and proves to be an important decision-making tool in the fuzzy environment which thereby overcomes the limitations of AHP methodology. This method further uses fuzzy logic theory and tries to reach to an optimal solution in making decisions in organizations. This methodology is extensively used in manufacturing as well as service sectors.

About the Speaker:

Dr. Ratri Parida is presently working as Associate Professor at International School of Business and Media (ISBM), Pune and is also a Visiting Research Fellow at Guildhall School of Management, London Metropolitan University. She was one of the founding faculties at Indian Institute of Management (IIM) Sambalpur and associated with premier institutes like National Institute of Construction Management and Research (NICMAR), Pune and VIT Vellore. She completed her PhD from the Dept. of Industrial and Systems Engineering, IIT, Kharagpur. In addition to her publication in many reputed national & international journals, she also acts as ad-hoc reviewer in many international journals and conferences. Her research interest focuses specifically on operations management, Industry 4.0, supply chain sustainability, and healthcare supply chain. She has more than 10 years of experience in research and teaching