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Operations Simulation Activity

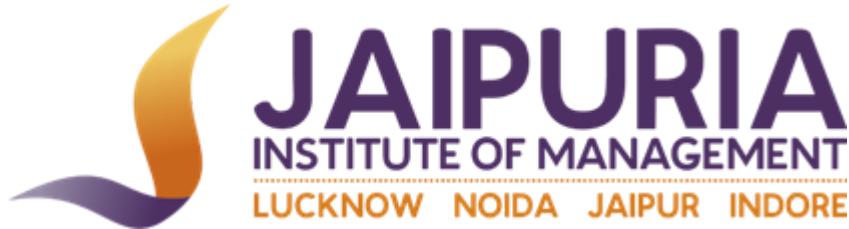
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Operations Simulation Activity

at

Jaipuria Institute of Management, Indore

On 31st December 2025, “**Op.Zen**” the **Operations Management Club** of Jaipuria Institute of Management, Indore successfully organised “**Operations Management Simulation Activity**” under the guidance of **Dr. Vinayak Vishwakarma** and **Dr. Jagdish Bhagwat**. The activity was designed to translate classroom concepts **into hands-on learning through a structured two-round format**. The focus of this simulation was to understand production line concept, planning of different activities on a production line, efficient product assembly, work division, work allocation, work time reduction, improving efficiency, application of PDCA concept etc.



In **Round 1**, each team was provided with a fixed set of materials and one hour to **design and construct a specific working model of a vehicle**. This phase emphasized creativity, quick planning, and thinking about the basic assembly process under time constraints. By the end of this round, students were able to produce a standard working model of a car. They also **critically observed the outcomes of their design choices, work methods, and coordination strategies**.



Round 2 revolved around product redesigning. Teams were required to **dismantle their initial model and rebuild two vehicle (Car or Bike, or airplane) models using only one set of raw material resources**. This resource constraint triggered student's creativity in the production of diverse car,

bike or airplane models. Students learned to **plan more systematically, think innovatively, and apply multiple Operations Management concepts.** The simulation enabled students to practically experience dynamic planning **Plan-Do-Check-Act (PDCA)** framework.



This simulation served as a practical extension of the Operations Management course concepts enabling students to experience real-time planning, execution, and decision-making. By the end of the activity, participants could clearly relate their simulation experience to the key Operations Management concepts like: Production line, work allocation on a production line, learning curve, Plan-Do-Check-Act cycle, improving production efficiency, resource constraints and managing the scarce resources, creative thinking etc. This simulation also reinforced the learning curve concept, the importance of learning from mistakes, teamwork, and structured problem-solving.



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