Welcome to OPTIMA, the highly anticipated Technical Fest organized by the Department of Industrial and Systems Engineering at IIT Kharagpur! We are thrilled to invite you to be a part of this exciting event where innovation, technology, and creativity collide. OPTIMA aims to provide a platform for students and professionals to showcase their skills and knowledge in various competitions and workshops. Join us for an unforgettable experience!

**Competition**

- **Simulation Game**
  - Get ready to test your skills in managing inventory systems efficiently.
  - This competition will challenge participants to optimize inventory levels, minimize costs, and enhance operational performance using simulation tools.

- **Operations Research Challenge**
  - Dive into the world of Operations Research and apply Object-Oriented Programming techniques to solve real-world optimization problems.
  - This competition will push your problem-solving abilities to the limit.

- **E-Business and Information Systems**
  - Explore the intersection of humans and machines through this captivating competition.
  - Develop innovative interfaces that facilitate seamless communication and interaction between humans and machines.

- **Data Analytics**
  - Sharpen your data analytics skills in this competition.
  - Put your expertise to the test and demonstrate your ability to streamline supply chain operations and uncover valuable insights through data analysis.

- **Supply-Chain Focused Competitions**
  - Put your supply chain management skills to the test in these challenging competitions.
  - From demand forecasting to logistics optimization, demonstrate your ability to streamline supply chain operations effectively.

- **Smart Safety**
  - Redefining safety experiences through immersive AR and VR applications that enhance preparedness and protect lives.
  - The fusion of VR and AR technologies in Smart Safety fosters a proactive approach to security.

- **Quantum Optimization**
  - Explore quantum algorithms (Quantum Annealing, QAOA, VQE) and their real-world applications. Revolutionizing optimization for faster problem-solving in diverse industries. Experts and enthusiasts unite.

- **Virtual Reality**
  - The VR event explores immersive experiences and cutting-edge technologies that redefine reality. Discover diverse applications across industries, from gaming to healthcare, and unlock the transformative potential of VR.

- **Human Machine Interaction**
  - Discover the fascinating field of human-machine interaction. Gain valuable knowledge about designing intuitive interfaces and enhancing user experiences in this hands-on workshop.

**Workshops**

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