

Report on International Design Competition (IDC) 2024

The International Design Competition (IDC) 2024 saw an impressive turnout, with over 33,000 students from 800 colleges across India participating in this highly competitive event. The competition consisted of five rigorous rounds, each designed to test participants' proficiency in mechanical and design concepts.

Round 1: All registered participants took part in an initial quiz covering foundational mechanical engineering concepts. Out of the 33,000 students, only 1,000 advanced to the next round.

Round 2: The second round was a team-based exercise, where participants were tasked with drawing mechanical parts using AutoCAD software. At this stage, 500 students (forming 250 teams) were shortlisted to proceed.

Round 3: The third round required teams to demonstrate their skills in SolidWorks, advancing the complexity of the competition. Following this round, 100 teams were selected for further evaluation.

Round 4: The fourth round consisted of an interview, conducted by mentors from CADD Center and industry professionals, where participants were tested on their knowledge of AutoCAD and SolidWorks. This narrowed the field down to 8 finalist teams.

Final Round: The grand finale, held on November 5th and 6th, presented the finalist teams with a challenging problem statement. Teams were required to design a fully functional 3D model of a wheelchair assembly, complete with an electric motor and relevant components to ensure propulsion. The goal was to create a product beneficial to physically challenged individuals and the elderly.

Achievements of Team from GCE Salem: Out of the 33,000 initial participants, 10 students from Government College of Engineering (GCE) - Salem were selected for Round 2, forming five teams. Of these, two teams advanced to Round 3. Ultimately, one team, comprising Anandhakumar A (Mechanical, 3rd year) and Suryakanth S P (Mechanical, 2nd year), made it to the final round.

The GCE Salem team achieved an outstanding result, securing second place in the grand finale with their innovative product design. This runner-up placement came with a cash prize of INR 50,000, a significant recognition of their dedication and skill.

This achievement highlights the exceptional talent at GCE Salem and the strong collaborative effort of its participants in the 2024

IDC competition.