

# **Machinist: A Contest for Perfectionists**

Date: April 24, 2024

## **Executive Summary**

The Robotics Society of the Maharaja Agrasen Institute of Technology (MAIT), under the Department of Mechanical and Automation Engineering and Department of Mechanical Engineering, hosted "Machinist: A Contest for Perfectionists" on April 24, 2024. This event showcased the skills and precision of budding engineers in fabricating components using lathe machine tools. Additionally, a stimulating quiz was organized to challenge participants' theoretical knowledge in machining.

## **Event Highlights**

The competition commenced with participants demonstrating their expertise in utilizing lathe machines to craft intricate components. Each participant was tasked with fabricating a designated component within a specified timeframe, under the scrutiny of experienced judges. The precision, accuracy, and craftsmanship exhibited by the participants were commendable, reflecting their dedication and proficiency in machining techniques. Simultaneously, a short quiz was conducted to assess participants' theoretical understanding of machining concepts, including lathe machine operations, tool selection, material properties, and safety precautions. The quiz not only tested participants' knowledge but also provided an opportunity for intellectual engagement and learning.

## **Outcome**

"Machinist: A Contest for Perfectionists" proved to be a resounding success, fostering a spirit of competition, innovation, and learning among participants. The event not only showcased the practical skills of aspiring engineers but also encouraged the exchange of ideas and best practices in machining. Participants gained valuable insights into the intricacies of lathe machining and expanded their theoretical knowledge through the quiz.

## **Conclusion**

The Robotics Society of MAIT, in collaboration with the Department of Mechanical and Automation Engineering and Department of Mechanical Engineering, successfully organized "Machinist: A Contest for Perfectionists," providing a platform for students to showcase their machining skills and theoretical acumen. The event not only celebrated precision engineering but also reinforced MAIT's commitment to nurturing technical excellence and innovation among its students. We extend our congratulations to all participants and express our gratitude to the organizing committee, judges, and sponsors for making this event a memorable success.



