

Report on the Robotics Lab 2023 - 24

In the academic session 2023 – 24, students of CIC won

- a. First Prize in Line Follower Robotics Competition in Shaheed Rajguru College of Applied Sciences For Women
- b. First Prize in Line Follower Robotics Competition in IIT JODHPUR
- c. Third Prize in Micromouse Robotics Competition in IIT BHU
- d. First Prize in Pixelete Robotics Competition in IIT BHU
- e. Finalist of TechAid Competition in IIT Bombay Techfest
- f. First Prize in Play with Maths in Shyam Lal College, University of Delhi
- g. First prize in Code-a-thon(Avgaahan) Coding Competition
- h. First Prize in GameJam IIIT Delhi Esya,23 in Indraprastha Institute of Information Technology, Delhi
- i. First Prize in GameJam IIIT Delhi Esya,23 Indraprastha Institute of Information Technology, Delhi



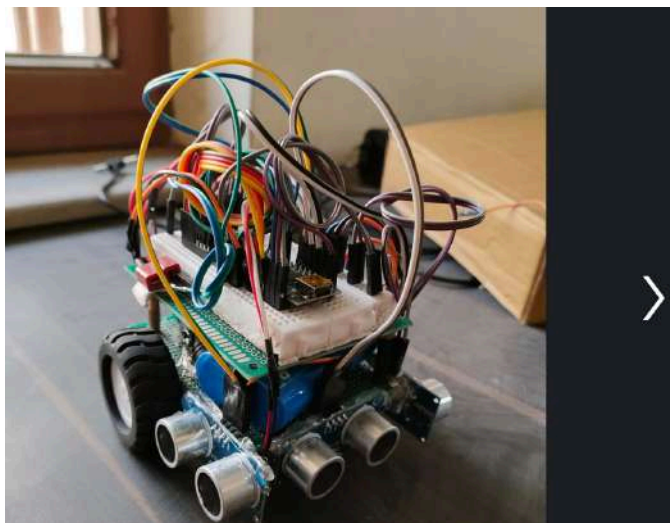
We're proud to announce that last month our team, including [Nitish Singla](#), [Adarsh Kumar Sharma](#), and [Mohit Katyal](#) secured the first prize at the IIT Jodhpur Technical Fest, Prometeeo, in the Line Follower competition.

This accomplishment reflects the collective effort and guidance from our institution, the [Cluster Innovation Centre, University of Delhi \(Education\)](#). We extend our sincere gratitude to our Director, Prof. [Shobha Bagai](#), B. Tech Program coordinator, Prof. [Dr. Jogeswar S Purohit](#), and our esteemed professors, particularly Prof. [Manish Kumar Singh](#) and Prof. [Harendra Pal Singh](#), for their unwavering support.

A heartfelt thank you to all our professors for their guidance, and to our batchmates, especially [Dev Mishra](#) and [Saswat Susmoy](#), for their encouragement throughout the competition.

This recognition holds great significance for our team. It not only marks a milestone in our academic journey but also motivates us to continue exploring and innovating.

Thank you to everyone involved in this journey. We look forward to embracing more challenges and opportunities in the future.

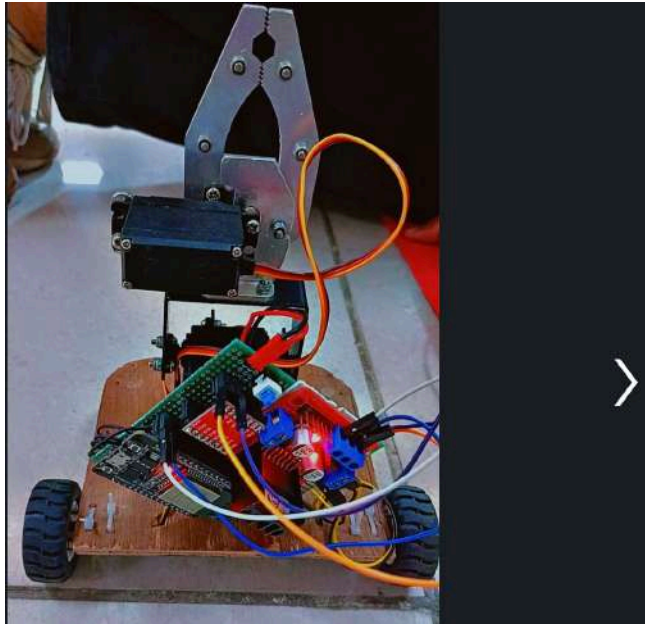


I am thrilled to share that our team achieved remarkable success at the prestigious IIT BHU Technex Fest, securing 1st place in the Pixelate competition and 3rd place in the Micromouse competition.

This accomplishment is a testament to the hard work and dedication of my exceptional teammates: [Siddharth](#), [Adarsh Kumar Sharma](#), [Raj Shakya](#), [Nitish Singla](#). Your relentless effort and teamwork were instrumental in our success.

I extend my deepest gratitude to our mentors, Prof. [Manish Shailani](#) and Prof. [Shobha Bagai](#), for their invaluable guidance and support throughout our journey. Additionally, I would like to thank all the faculties of the [Cluster Innovation Centre, University of Delhi \(Education\)](#) for their unwavering support and encouragement.

Special thanks to [Aryan Sharma](#) and [Saswat Susmoy](#) for their crucial support during the competition. Your assistance made a significant difference.



Mohit Katyal • 1st
Student at University of Delhi
3w • Edited •

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This accomplishment is a testament to the hard work and dedication of my exceptional teammates: **Siddharth Siddharth**, **Adarsh Kumar Sharma**, **Raj Shakya**, **Nitish Singla**. Your relentless effort and teamwork were instrumental in our success.

I extend my deepest gratitude to our mentors, Prof. **Manish Shailani** and Prof. **Shobha Bagal**, for their invaluable guidance and support throughout our journey. Additionally, I would like to thank all the faculties of the **Cluster Innovation Centre, University of Delhi (Education)** for their unwavering support and encouragement.

Special thanks to **Aryan Sharma** and **Saswat Susmoy** for their crucial support during the competition. Your assistance made a significant difference.



7mo •

I am delighted to announce that our team from **Cluster Innovation Centre, University of Delhi (Education)**, secured the first position in the Line Following Robot competition at **Shaheed Rajguru College of Applied Sciences for Women, DU**. This accomplishment marks a significant milestone in our journey.

As the saying goes, "A journey of a thousand miles begins with a single step," and indeed, our collective efforts and dedication have paved the way for this remarkable achievement.

I extend my sincere appreciation to my exceptional teammates: **Adarsh Kumar Sharma**, **Mohit Katyal**, **Nitish Singla**, **Raj Shakya**, **Mahima Agarwal**, **Shweta Meena**, and **Abhay Pawar**. Your unwavering commitment and collaborative spirit have been instrumental in our success.

I would also like to express gratitude to our esteemed professors—Prof. **Manish Kumar Singh**, Prof. **Harendra Pal Singh**, and Prof. **Shobha Bagal**. Your guidance and mentorship have played a pivotal role in navigating the challenges we encountered.

🙏 To all the professors who provided consistent support throughout this journey, thank you for your invaluable contribution.

The Autonomi Robotics society organized various Robotics competitions during the Convoke 6.0 held from March 1st to 3rd, 2024.

The event witnessed incredible feats of innovation and technical prowess across various challenges, showcasing the immense talent within our robotics community. Here's a glimpse of the exciting events that captivated participants and spectators alike:

1. Line Follower Bot: Robots showcased their precision and agility as they navigated complex tracks with finesse, leaving a trail of excellence in their wake.
2. Meshmerize: A mesmerizing display of interconnected robotic choreography, where machines worked in harmony to create a synchronized and awe-inspiring spectacle.

3. Maze Solver: Navigating intricate mazes, robots demonstrated their problem-solving skills, leaving no challenge unconquered.

4. Robo Soccer: A thrilling showdown of robotic prowess on the soccer field, where machines battled it out for victory with skillful moves and strategic plays.

The poster is for the 'Maze Solver' event at Convoke Robotics. It features a purple background with a maze and a robot. The text includes: 'SATURDAY 2 MARCH', 'CONVOKE 6.0 ROBOTICS', 'MAZE SOLVER', 'ROBOTIC WONDERS AWAIT: DARE TO DREAM, DARE TO BUILD!', 'NAVIGATE THE CHALLENGE. MASTER THE MAZE. UNLEASH YOUR SOLVER SPIRIT', 'BUILD A ROBOT CAPABLE OF NAVIGATING A COMPLEX MAZE IN THE SHORTEST TIME POSSIBLE WHILE MINIMIZING WALL HITS', 'WIN EXCITING REWARDS', 'PRIZE POOL OF 50,000+', 'CLUSTER INNOVATION CENTRE, UNIVERSITY OF DELHI, UNIVERSITY STADIUM, GC HARANG ROAD', and 'LAST DATE FOR REGISTRATION IS 29TH FEB 2024 @ 8 PM IST'. A QR code is also present.

AUTONOMI CIC
69 followers
3mo • Edited •

Exciting News in the World of Robotics! 🤖
AUTONOMI proudly presents Maze Solver Bot in Convoke 6.0 Robotics, an adrenaline-pumping event that pushes the boundaries of autonomous robot navigation! 🏆🔥
Challenge your team's engineering prowess by participating in this spectacular event, where you'll design and build your own maze-solving robot within specified dimensions. The ultimate goal? Navigate through a complex maze, showcasing precision, speed, and efficiency while minimizing wall hits! 🚀🏆
Competition Details:
📅 Event: Maze Solver Bot - Convoke 6.0 Robotics
🔧 Task: Construct an autonomous robot that starts behind the starting point, intelligently navigates ...more

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The poster is for the 'Robo Soccer' event at Convoke Robotics. It features a dark background with a robot on a soccer field. The text includes: 'SATURDAY 2 MARCH', 'CONVOKE 6.0 ROBOTICS', 'ROBO SOCCER', 'ROBOTIC WONDERS AWAIT: DARE TO DREAM, DARE TO BUILD!', 'GEAR UP FOR THE ULTIMATE SHOWDOWN: ROBO SOCCER REVOLUTION!', 'CONSTRUCT A MANUAL ROBO-SOCCER BOT THAT CAN PUSH OR DRAG THE BALL INTO THE OPPONENTS' GOAL WITHOUT GRIPPING.', 'WIN EXCITING REWARDS', 'PRIZE POOL OF 50,000+', 'CLUSTER INNOVATION CENTRE, UNIVERSITY OF DELHI, UNIVERSITY STADIUM, GC HARANG ROAD', and 'LAST DATE FOR REGISTRATION IS 29TH FEB 2024 @ 8 PM IST'. A QR code is also present.

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Exciting News in the World of Robotics! 🤖
AUTONOMI proudly presents Robo Soccer Showdown in Convoke 6.0 Robotics, an adrenaline-pumping event that takes the thrill of robotics to a whole new level! 🏆🔥
Challenge your team's engineering prowess by participating in this spectacular event, where you'll design and build your own manually controlled robot-soccer bot within specified dimensions. The ultimate goal? Push or drag the ball into the opponent's goal, showcasing strategy, precision, and teamwork! 🚀🏆
Competition Details:
📅 Event: Robo Soccer Showdown - Convoke 6.0 Robotics
🔧 Task: Construct a manually controlled robot-soccer bot that competes head-to-head with ...more

24

FRIDAY
1
MARCH

CONVOKE
ROBOTICS

LINE FOLLOWER BOT



ROBOTIC WONDERS AWAIT: DARE TO DREAM, DARE TO BUILD!
FOLLOW THE PATH TO VICTORY: LINE FOLLOWER BOT CHALLENGE

BUILD A FAST AUTONOMOUS ROBOT WITHIN SET DIMENSIONS TO MINIMIZE LAP TIME, STARTING BEHIND THE STARTING POINT. CROSSING THE FINISH LINE IS ACHIEVED WHEN ANY PART OF THE ROBOT COMPLETES A FULL LAP BY FOLLOWING THE BLACK LINE

WIN EXCITING REWARDS

PRIZE POOL OF 50,000+

CLUSTER INNOVATION CENTRE, UNIVERSITY OF DELHI
UNIVERSITY STADIUM,
GC HARANG ROAD



LAST DATE FOR REGISTRATION IS 29TH FEB 2024 8 PM IST

AUTONOMI CIC
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3mo • Edited •

Exciting News in the World of Robotics! 🤖
AUTONOMI proudly presents Line Follower Bot in Convoke 6.0 Robotics, an adrenaline-pumping event that pushes the boundaries of autonomous robot racing! 🏁

Challenge your team's engineering prowess by participating in this spectacular event, where you'll build your own line-following robot within specified dimensions. The ultimate goal? Achieve maximum speed on the designated track and reach the destination in record time! 🚀

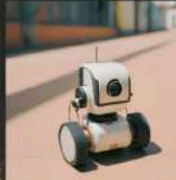
Competition Details:
🏆 Event: Line Follower Bot - Convoke 6.0 Robotics
🔧 Task: Construct an autonomous robot that starts behind the starting point, follows the black line, ...more

👤 PRIYANSHU YADAV and 31 others
4 reposts

FRIDAY
1
MARCH

CONVOKE
ROBOTICS

MESMERIZE




ROBOTIC WONDERS AWAIT: DARE TO DREAM, DARE TO BUILD!
WATCH YOUR MOVE

BUILD A SMART ROBOT TO FOLLOW A BLACK LINE. ANALYZE IN THE DRY RUN, MEMORIZE DIRECTIONS. NAVIGATE THE SHORTEST ROUTE FOR VICTORY.

WIN EXCITING REWARDS

PRIZE POOL OF 50,000+

CLUSTER INNOVATION CENTRE, UNIVERSITY OF DELHI
UNIVERSITY STADIUM,
GC HARANG ROAD



LAST DATE FOR REGISTRATION IS 29TH FEB 2024 8 PM IST

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69 followers
3mo • Edited •

Exciting News in the World of Robotics! 🤖
AUTONOMI proudly presents Convoke 6.0 Robotics, and we're kicking off with a thrilling competition - MESMERIZE! 🧩

Challenge your robotic skills by building an autonomous robot that can navigate through a maze, following a black line while keeping track of directions. 🏁

Competition Details:
🏆 Event: Convoke 6.0 Robotics - Mesmerize
🔧 Task: Build an autonomous robot to follow a black line, analyze the path during the dry run, and reach the end box in the final run using the shortest possible path. This is your chance to showcase your innovation and problem-solving skills in the dynamic field of robotics!

👤 ...more
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Shobha

Prof Shobha Bagai