



RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY,(RKGIT) **GHAZIABAD,UTTAR PRADESH**

Institution Innovation Council (IIC 7.0) IC201810409

QUARTER II

**Mentoring Day: Demo Day (Prototype)- YANTRIKOM on
4th Oct & 5th Oct 2024**



Raj Kumar Goel Institute of Technology
5 K.M. Stone, Delhi-Meerut Road, Ghaziabad, U.P.



Mentoring Day: Demo Day (Prototype)-YANTRIKOM



YANTRIKOM
DEPARTMENT OF
MECHANICAL ENGINEERING



ROBOMANIA

FOR 1st AND 2nd YEAR STUDENTS ONLY



ARENA DO GRÊMIO

F1 RACING x ROBO RUSH x BOT BOUNCE x SNAG BOT

WORKSHOP

04th Oct' 24
Friday

MAIN EVENT

05th Oct' 24
Saturday

Venue: Mechanical Department and Basketball Court, RKGIT
Exciting **Cash Prizes** and **Certificates** will be Awarded

Feel Free to Contact

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ROBO MANIA 2024: A Spectacular Tech Tournament at Raj Kumar Goel Institute of Technology.

In a whirlwind of gears, circuits, and adrenaline, **Raj Kumar Goel Institute of Technology** recently witnessed **ROBO MANIA 2024**. Organized by team **YANTRIKOM**, a society associated with the Mechanical Department but open to students from all disciplines, the event aimed to ignite the passion for robotics and technology among the student community.

The two-day event kicked off with an engaging **workshop on October 3, 2024**. The workshop provided participants with hands-on experience, practical insights, and expert guidance, ensuring that they were well-prepared for the challenges that awaited them in the main event.

On October 4, 2024, the campus buzzed with excitement as **more than 300+ students** with **50 teams** gathered to showcase their technical prowess at ROBO MANIA. The main event featured a series of captivating challenges designed to test the participants' creativity, innovation, and problem-solving skills.

ROBO MANIA in which our team taught the students how to make a wireless bot, the event was comprised of many sub events they were:

F1 Racing:

The F1 Racing event ignited the spark of competitiveness among participants as miniature robotic vehicles raced through a meticulously designed track. The F1 Racing spectacle not only tested the agility and control of the robots but also showcased the students' prowess in designing and programming these autonomous racing machines.

Robo Rush:

Robo Rush, another thrilling sub-event, required participants to design robots capable of strategically overcoming obstacles and completing intricate challenges. The arena buzzed with anticipation as robotic creations maneuvered through challenges, demonstrating the teams' problem-solving skills, precision engineering, and quick decision-making abilities.

Bot Bounce:

Bot Bounce took the competition to new heights, quite literally. Teams were tasked with designing robots capable of navigating terrains with varying elevations. The challenge pushed the boundaries of engineering as robots elegantly traversed ramps, hurdles, and platforms, showcasing a perfect blend of mechanical ingenuity and programming finesse.

Snag Bot:

Snag Bot, the final sub-event, added an element of precision and finesse to the competition. Teams were challenged to design robots capable of delicately picking and placing objects within a defined space. Snag Bot demonstrated the potential of robotics in addressing real-world challenges with precision and efficiency.

The field buzzed with excitement as teams unleashed their creations. Bots of all shapes and sizes zipped, whirled, and clacked across the arena, each a testament to countless hours of hard work and ingenuity. But the air wasn't just filled with the hum of machinery. Music pulsed through the venue, punctuated by the cheers of the enthusiastic crowd. Dance performances added a touch of elegance and joy to the atmosphere, making it more than just a competition—it was a celebration of human innovation and the boundless potential of robotics.

Under the guidance of Ms. Priya Sharma, the proud faculty coordinator of YANTRIKOM, the team YANTRIKOM work very hard and make this event very successful where this event not only provided a platform for students to showcase their technical skills but also allowed them to interact with professionals in the field.

ROBO MANIA 2024 not only celebrated the technical prowess of the participants but also highlighted the collaborative and inclusive spirit of YANTRIKOM. As the event concluded, participants left with a sense of achievement, new friendships, and a shared vision for the future of technology. YANTRIKOM's commitment to pushing the boundaries of innovation has set the stage for future editions of ROBO MANIA to continue inspiring the next generation of technological trailblazers.

After the completion of two days of hard work and dedication finally we declare our prizes:

1st Prize: Team TETRA

2nd Prize: Team Rajput

3rd Prize: Team MILLENIA

Best Design: Team DIGIFREEK

Best Innovation: Team OXYTON

YANTRIKOM has once again proven that when diverse minds come together, extraordinary things happen.

Some Glimpse:





