

WELCOME TO ROBOTICA-25

A CELEBRATION OF INNOVATION AND INGENUITY!

Welcome to ROBOTICA-25, an exciting opportunity to explore the world of robotics and innovation! We invite you to the sixth National Level Robotics Competition, meticulously organized by Otomatiks. Mark your calendars for February 7th and 8th, 2025, as we gather at the esteemed VIT University in Vellore for an event that promises to inspire and challenge young minds.

This two-day gathering is not merely a competition; it is a vibrant celebration of creativity and ingenuity. We welcome school students from across the nation to come together, showcasing their talents and passion for technology. Whether you are a seasoned participant or new to this field, ROBOTICA-25 offers a unique opportunity to engage, learn, and grow in a stimulating environment.

As you prepare for this remarkable experience, get ready to delve into the realms of science and engineering, where your ideas can flourish! Connect with fellow innovators, learn from industry experts, and present your groundbreaking projects. Join us in celebrating the spirit of innovation and creativity as we shape the future of technology together. We look forward to witnessing the brilliant ideas and innovative solutions that will emerge from ROBOTICA-25!

EVENT OVERVIEW

WHAT TO EXPECT AT ROBOTICA-25

ROBOTICA-25 is designed to provide an unforgettable experience, filled with excitement, learning, and collaboration. This is your chance to shine in a dynamic environment where creativity and competition go hand in hand! ROBOTICA-25 is more than an event; it's a celebration of talent and innovation. Join us for this engaging experience where every moment is an opportunity to learn, compete, and grow!

Event Structure:

★ **Dates:** February 7th and 8th, 2025

★ **Location:** VIT University, Vellore

Prepare yourself for:

★ **Engaging Competitions:** Participate in a variety of contests that will test your technical skills, creativity, and teamwork.

★ **Inspiring Workshops and Seminars:** Attend hands-on workshops led by industry experts, covering the latest in robotics, programming, and innovative design. Each session is designed to spark your creativity and expand your knowledge!

★ **Networking Opportunities:** Connect with fellow participants, educators, and industry leaders. Build friendships and professional relationships that could last a lifetime!

★ **Showcase Your Innovations:** Present your projects and receive invaluable feedback from esteemed judges and peers. This is your moment to shine!

DAY 1 HIGHLIGHTS

UNLEASHING CREATIVE BRILLIANCE

Prepare for Day 1 of ROBOTICA-25 which takes place on **7th February 2024**, where your creativity and ingenuity will take center stage! This day is packed with competitions designed to challenge your intellect and showcase your technical skills.

1. Working Model Competition:

★ **Entry Fee:** Rs. 800/-

★ **Team Size:** Maximum of 2 members

★ **Time:**

★ **Duration:**

★ In the Working Model Competition, teams will express their creativity to conceptualize and construct innovative working models that address real-world problems or illustrate fascinating scientific principles. This is your chance to turn your vision into reality! Impress a panel of esteemed judges with your model's functionality and the ingenuity behind your design. It's not just about the final product; it's about the journey of innovation!

2. Robo Race:

★ **Entry Fee:** Rs. 800/-

★ **Team Size:** Maximum of 2 members

★ **Time:**

★ **Duration:**

- ★ Get ready for the electrifying Robo Race! Here, teams will engineer their own Robo Cars, racing against the clock on a meticulously crafted track. Speed, strategy, and collaboration will be essential as you navigate challenges and vie for the prestigious title of Robo Race champion! The excitement of competition and the push for excellence will motivate you to refine your designs and strive for success.

3. Panel Discussion:

- ★ **Entry Fee:**
- ★ **Team Size:** 4 members in a panel (Two different panels for two different topics)
- ★ **Topics:**
- ★ **Time:** 2 PM to 4 PM
- ★ **Duration:** 2 Topics (Each Topic will last for an hour)
- ★

Day 1 promises to be a whirlwind of creativity, collaboration, and spirited competition. Get ready to showcase your brilliance!

DAY 2 CHALLENGE

THE INTER-SCHOOL 5-MINUTE CIRCUIT CHALLENGE

Prepare for Day 2, where the stakes are higher and the challenges more intense! The Inter-School 5-Minute Circuit Challenge awaits a test of ingenuity and quick thinking that will push your skills to the limit.

Challenge Overview:

Participants will face a surprise circuit design challenge, with only five minutes to create a functional circuit on the spot! This rapid-fire competition demands not only technical expertise but also the ability to think creatively and adapt swiftly under pressure. As you race against the clock, your problem-solving skills will be put to the ultimate test.

The atmosphere will be electric as students from diverse institutions across India come together, igniting camaraderie and spirited competition. This challenge emphasizes teamwork; effective communication and collaboration will be vital as you work together to devise a winning solution.

The Inter-School 5-Minute Circuit Challenge is not just about competition; it's about embracing the excitement of innovation and showcasing your resourcefulness. Prepare to impress the judges and your peers with your creativity and expertise!

WHY PARTICIPATE?

BENEFITS OF JOINING ROBOTICA-25

Engaging in ROBOTICA-25 offers numerous benefits that extend beyond the competition itself. Here are some compelling reasons to participate:

- 1. Networking Opportunities:** ROBOTICA-25 is a gathering of talent and ideas, providing an exceptional platform for networking with fellow students, educators, and industry professionals. Build connections that could lead to future collaborations, internships, and career opportunities.
- 2. Hands-On Experience:** Immerse yourself in practical applications of robotics and engineering. This hands-on experience is invaluable for aspiring technologists and engineers, allowing you to apply your knowledge in a real-world context.
- 3. Showcase Your Passion:** This is your chance to shine! Present your projects to a broader audience and gain recognition for your creativity and hard work. The visibility you gain at ROBOTICA-25 can inspire you to pursue your interests with renewed vigor.
- 4. Skill Development:** Participating in the competition will sharpen your problem-solving, teamwork, and critical thinking skills. These competencies are relevant not only to robotics but also across various academic and professional domains.

Last year, over 2000 participants from more than 80 schools joined us, creating an inspiring community of young innovators. This year promises to be even more remarkable, making it the perfect opportunity for you to explore, create, and excel.

SUCCESS STORIES

PAST PARTICIPANTS AND THEIR INNOVATIONS

ROBOTICA-25 has a proud history of nurturing talent and inspiring innovation among its participants. Many previous competitors have achieved remarkable successes, developing groundbreaking projects that resonate within the robotics community.

For example,

ROBOTICA-25 is not just a competition; it is a catalyst for creativity and innovation, encouraging young minds to dream big and realize their ideas.

GET READY!

TIPS FOR ASPIRING PARTICIPANTS

Preparation is essential for success at ROBOTICA-25. Here are some important tips to ensure you are ready to take advantage of the opportunities that await:

- 1. Brainstorm Project Ideas:** Encourage creativity by brainstorming innovative project concepts! Reflect on challenges within your community or global issues that could be addressed through robotics. Think about integrating contemporary technology into your designs.
- 2. Collaborate Effectively:** Teamwork is crucial in competitions! Discuss each team member's strengths and assign responsibilities to maximize efficiency. Foster a culture of open communication where every idea is valued, promoting collaboration and unity.
- 3. Practice Diligently:** Familiarize yourself with the competition rules and guidelines. Conduct practice sessions to refine your projects, ensuring they function smoothly. Seek feedback from peers or mentors to identify areas for improvement.
- 4. Stay Informed:** Keep updated on the latest developments in robotics and technology. Engage with relevant literature, watch educational videos, and participate in online forums to broaden your knowledge. This insight can provide inspiration and enhance the relevance of your project.

By following these guidelines, you will enhance your chances of success and make the most of your experience at ROBOTICA-25. Prepare to engage with the challenges ahead and celebrate your journey of discovery!

JOIN US!

REGISTER FOR ROBOTICA-25 TODAY!

Don't miss this incredible opportunity! Register for ROBOTICA-25 today and start an exciting journey that will enhance your understanding of robotics and innovation. Whether you are a seasoned technologist or a newcomer eager to explore, ROBOTICA-25 promises an unforgettable experience filled with knowledge, competition, and inspiration.

Together, let's leave a lasting mark on the sphere of robotics! We look forward to welcoming you to this extraordinary event!

How to Register:

1. **Visit our website:**
2. **Click on the Registration Tab:** Follow the prompts to fill out your details.
3. **Pay the Entry Fee:** A nominal fee of Rs. /- per team member for competitions.

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