

About Us

Navrachana Vidyani Vidyalaya, part of the Navrachana Education Society in Vadodara, Gujarat, has been a leading institution for over 55 years. The school emphasizes holistic education, blending academics with co-curricular activities, sports, and extracurricular pursuits.

True to its name, Navrachana, meaning "a new creation," the institution continuously adapts to meet the evolving needs of education.

Its emblem reflects a commitment to fostering the growth of students through diverse learning opportunities.

Our Atal Tinkering Lab (ATL) nurtures curiosity, creativity, and innovation, providing students with the tools to explore STEM, develop critical thinking, and turn ideas into reality.

Many of our students have advanced beyond classroom activities and competitions, venturing into entrepreneurship, and we are proud to see future founders emerging from our school's innovation Lab.

From the Principal's Desk

Dear Educators and Students,
It is with great excitement that we invite your school to join us at TechXplore, our STEM Tech Fest. At Navrachana Vidyani Vidyalaya we are dedicated to fostering STEM education as it is the driving force behind tomorrow's innovations. This event offers students a unique opportunity to immerse themselves in the world of robotics and technology, compete, collaborate, and ignite their passion for innovation. We look forward to your participation in this celebration of creativity and learning.



Dr Archana Mishra
Principal

Program Schedule

Inauguration Ceremony

Keynote Address

Category 1 : SDG Project Presentation

Category 2: Battle of Bots

Rock Show

Category 3 : Drone Face-Off

Workshop - Pitch your Dreams

Valedictory and Award Ceremony



Day 1 , 24th October 2024

ACTIVITY	TIME
Registrations & Breakfast	8:30 -10:00 AM
Inauguration	10:00-11:00 AM
SDG Project Booth Setup	11:00 - 11:30 AM
Battle of Bots Setup	11:00 - 11:30 AM
SDG Project display and Judges round	11:30 - 1:30 PM
Battle of Bots	11:30- 1:30 PM
Lunch	1:30-2:30 PM
Battle of Bots	2:30- 5:30 PM
Rock show	5:30 - 7:00 PM
Dinner	7:00 - 8:00 PM

Day 2 , 25th October 2024

ACTIVITY	TIME
Registration & Breakfast	8:30 - 9:45 AM
Workshop - Pitch your Dreams	9:45 - 1:15 PM
Lunch	1:15 - 2:00 PM
Drone Face-off	2:00 - 4:30 PM
High Tea and Snacks	4:30 - 5:30 PM
Closing Ceremony	5:30 - 6:30 PM



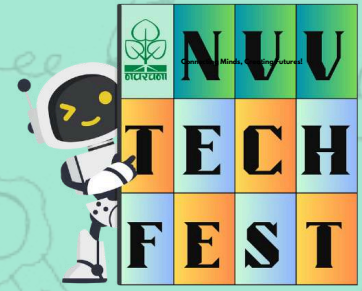
NVV STEM ACCOMPLISHMENTS!



TWO TEAMS WON SSIP
PATENT SUPPORT AND A
TOTAL OF INR 80,000



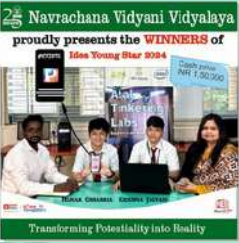
BEST ATL INNOVATION STALL
AT IIC REGIONAL MEET,
AHMEDABAD



AWARDED AS THE ATL SCHOOL OF THE
MONTH FOR DECEMBER 2023 AND
JULY 2024



RECEIVED EXCELLENT PERFORMANCE
RECOGNITION IN THE ATL MARATHON
2023-2024 FOR SUBMITTING 29
PROJECTS.



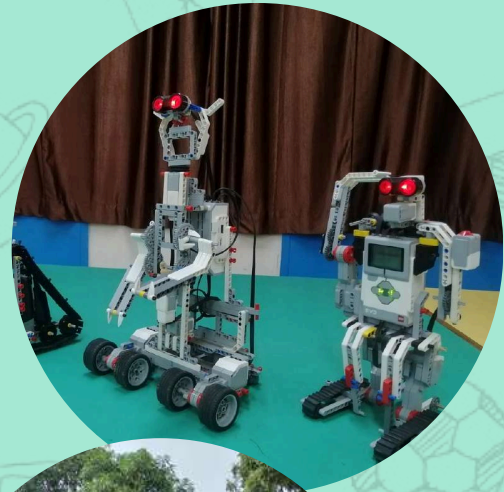
YOUNG IDEA AWARD
NATIONAL LEVEL
CHAMPIONSHIP WINNER,
₹1.5 LACS



TWO TEAMS RANKED IN
THE TOP 500 OF THE
ATL MARATHON 2023



RUNNER-UP IN THE
40-HOUR
HACKATHON AT NVV



ACHIEVED 1ST PLACE IN THE
WEST ZONE FOR THE SAMSUNG
SOLVE FOR TOMORROW
NATIONAL COMPETITION.



CHAMPION IN ROBOT
SUMO FIGHT AT THE LIFE
ROBOTICS OLYMPIAD



NATIONAL RANK 1 AT WRO
INDIA SEASON 2024 IN
FUTURE INNOVATORS
CATEGORY



TITLED GOLD MEDALIST AT
THE WORLD ROBOT
OLYMPIAD 2024, GUJARAT
REGIONAL LEVEL IN FUTURE
INNOVATOR



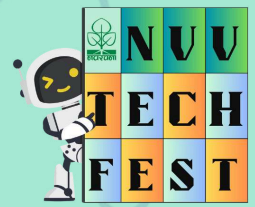
TITLED SILVER MEDALIST
AT THE WORLD ROBOT
OLYMPIAD 2024, GUJARAT
REGIONAL LEVEL IN
FUTURE INNOVATOR



TITLED BRONZE MEDALIST AT
THE WORLD ROBOT OLYMPIAD
2024, GUJARAT REGIONAL
LEVEL IN ROBO MISSION



SDG PROJECT PRESENTATION CATEGORY 1



Participants will present their groundbreaking ideas aimed at addressing the United Nations Sustainable Development Goals (SDGs). This competition encourages creativity and innovation in finding solutions to global challenges.

Eligibility:

- Students of Grade 6 to 10

Project Display Specifications:

- **Display Size:** Each team will be provided with a 2m x 2m x 2m stall for their project display and setup. The stall will have three closed walls. A table will be provided for displaying materials. Teams are allowed to use the inside area of the stall for their project setup and presentation.
- **Project Abstract:** Flex printout is a must. The abstract should include:
 - Problem Statement
 - Solutions
 - Social Impact
 - Survey Data
 - and other relevant details.

Judging Criteria:

- Innovation and Creativity
- Problem Solving
- Impact on Society
- Presentation and Communication
- Adherence to SDG Themes

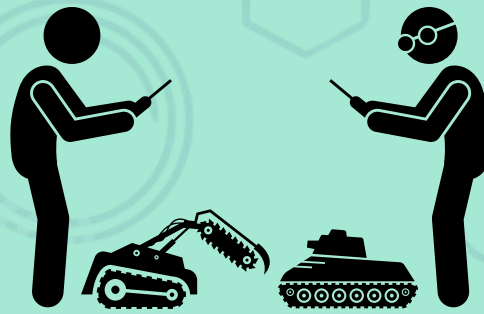
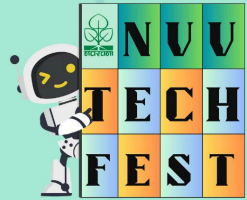
Dazzling Rewards

FIRST PRIZE 30,000 INR
SECOND PRIZE 20,000 INR
THIRD PRIZE 15,000 INR



BATTLE OF BOTS

CATEGORY 2



"Battle of Bots" is an electrifying competition where teams of students design, build, and battle their own robots. This event challenges participants to push the boundaries of engineering, creativity, and strategy as they pit their custom-built bots against one another in a thrilling contest. Your safety is our first priority.

Eligibility:

- Students of Grade 6 to 10

Event Highlights:

- **Challenges:** Robots will face off in a series of challenges, including obstacle courses, head-to-head battles, and special tasks designed to test speed, strength, and agility.
- **Strategy and Skill:** Success in the arena isn't just about raw power—teams must also employ strategic thinking and precise control to outmaneuver their opponents.

Battle Arena:

- The battle arena has a diameter of approximately 6 meters.
- The maximum robot dimensions are 35 cm x 35 cm x 35 cm (LxBxH), with a weight limit of 10 kg.
- All robots must be controlled wirelessly; wired remote controls are not permitted.
- The arena will feature a variety of obstacles and hazards that bots must navigate while attempting to disable or outscore their opponents. Teams must prepare their bots for every possibility, from tough terrain to unexpected attacks.

Judging Criteria:

- Design & Creativity
- Innovation
- Programming and Technical Skill
- Battle Success
- Team collaboration

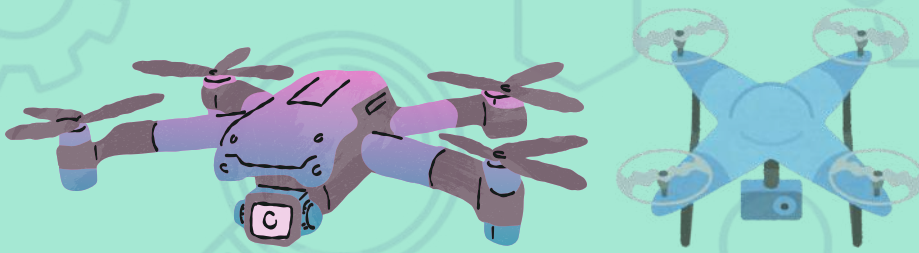
Dazzling Rewards

FIRST PRIZE 30,000 INR
SECOND PRIZE 15,000 INR



DRONE FACE-OFF

CATEGORY 3



Experience the thrill of our drone competition, where teams will navigate their drones through challenging obstacles, showcasing their technical prowess and creativity.

Eligibility:

- Students of Grade 6 to 10

Competition Arena Specifications:

- **Arena Size:** Each participant will compete in a designated drone flying path with dimensions of 50m x 50m.
- **Course Features:** The course will include various challenges such as:
 - **Hurdles:** Obstacles that drones must navigate around or over.
 - **Takeoff and Landing Zones:** Specific areas for precise takeoff and landing maneuvers.
 - **Rings:** Rings suspended at various heights and angles that drones must fly through.
 - **Other Obstacles:** Additional elements designed to test the participants' drone controlling skills.

Drone Specifications:

- **Drone Dimensions:** The drone must not exceed 45cm x 45cm x 30cm LBH in size.
- **DIY Requirement:** Drones must not be purchased as pre-assembled units. Each participant must assemble their drone in a DIY format, using components that they have sourced themselves. Creativity and technical skill in assembling the drone will be considered during the evaluation.

Points System:

- **Obstacle Points:** Each obstacle in the course will have a designated point value. Participants will earn points for successfully navigating their drones through or around these obstacles.

Judging Criteria:

- Design & Innovation
- Speed and Efficiency
- Flight performance
- Technical Skill and Programming
- Team Collaboration

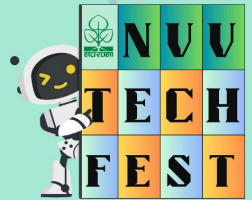
Dazzling Rewards

FIRST PRIZE 25,000 INR
SECOND PRIZE 15,000 INR



PITCH YOUR DREAMS

WORKSHOP



"Pitch Your Dreams" is an exciting workshop conducted by experts from the Student Startup and Innovation Policy (SSIP) cell designed to equip students with the essential knowledge and skills needed to create a successful startup. Whether you're brimming with ideas or just starting to explore the world of entrepreneurship, this workshop will guide you through the key steps of building a startup from scratch.

Workshop Highlights:

- **Understanding Startups:** Learn what it takes to turn an idea into a thriving business, including market research, business models, funding strategies, and more.
- **Essential Skills:** Gain insights into critical areas like product development, marketing, finance, and team building.
- **Expert Guidance:** Receive mentorship from industry experts and successful entrepreneurs who will share their experiences and tips for success.
- **Interactive Sessions:** Participate in hands-on activities that will help you develop your startup idea and refine your pitch.

Pitching Session:

- At the end of the workshop, teams will have the opportunity to pitch their startup ideas to a panel of judges.
- Pitch Your Dreams is not just about having a great idea, but about how well you can communicate and sell that idea.

Judging Criteria:

- Strength of their pitch
- Clarity of the idea
- Potential market impact
- Innovation
- Feasibility

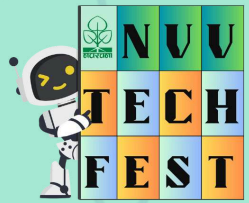
Dazzling Rewards

FIRST PRIZE 25,000 INR
SECOND PRIZE 15,000 INR
THIRD PRIZE 10,000 INR



TechXplore

GENERAL GUIDELINES



- Schools may register for maximum two out of the three available competition categories.

Category	Registration Fee	
	Stage 1	Stage 2
Drone Face-off	3000 INR	
Battle of Bots	3000 INR	
Drone Face-off + Battle of Bots	5000 INR	
SDG Project Presentation	500 INR	2500 INR
SDG Project Presentation + Drone Face-off	3500 INR	1500 INR
SDG Project Presentation + Battle of Bots	3500 INR	1500 INR

SDG Project Registration

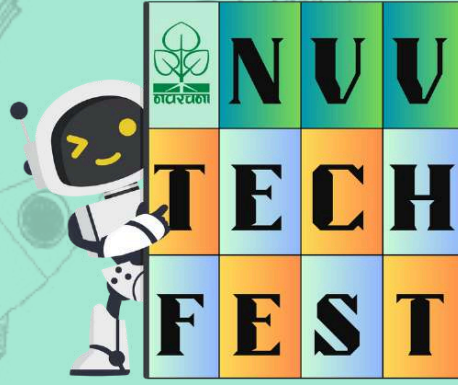
- Stage 1 : Idea Submission**
 - Teams participating in the SDG Project Presentation must submit their ideas by September 21, 2024 using the registration link.
- Stage 2 : Selection and Grand Finale**
 - The top 30 SDG ideas will be selected for the event on October 24-25, 2024. A confirmation email with the registration link will be sent to the registered email ID.

Registration Link

<https://forms.gle/VTFiNChbCF8u3GFX7>



TechXplore



Navrachana Vidyani Vidyalaya

*Where STEM education
turns curiosity into
innovation, & dreams into
achievements.*



<https://www.facebook.com/vidyani.vidyalaya>



<https://www.instagram.com/navrachanavidyani/>

Address: Sports Complex, near Sama, Chanakyapuri Society, Raghuvir Nagar, Sahkar
Nagar 4, New Sama, Vadodara, Gujarat 390024

Contact : 0265 2792285

Email ID : vidyani@navrachana.edu.in

<https://vidyani.navrachana.in>

Call between 2PM - 4PM

Ms. Jinny Shah (8141739999)

Mr. Mukesh Bind (9099235748)

