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## The Future is AI: Hosting the RoboCup Nationals

Pune, Maharashtra | 27<sup>th</sup> and 28<sup>th</sup> January, 2024



On January 27<sup>th</sup> and 28<sup>th</sup>, 2024, S.B. Patil Public School once again was the proud host of the Indian RoboCup Junior Nationals Competition. The event saw a total of 168 students from 18 schools participate in 50 teams. The students were accompanied by their respective faculties, and some of them even by their parents.

**The schools that partook in the event were as follows:**

1. Bal Bharati Public School, Pitampura
2. Shiv Nadar School, Noida
3. Greenwood High International School Sarjapur
4. Little Flower School, Uppal
5. Little Flower School, Abids
6. BGS World School, Chickballapur
7. BGS World School Nagarur
8. Greenwood High International School, Bannerughatta
9. Shiv Nadar School, Gurgaon
10. Manav Rachna International School Charmwood, Faridabad
11. Prometheus School, Noida
12. The Makers
13. Vasant Valley School, New Delhi
14. Shiv Nadar School, Faridabad
15. Sri Sankara Senior Secondary School, Chennai
16. S.B. Patil Public School, Pune
17. Bishop Cotton Boys' School, Bangalore
18. Bishop Cotton Girls' School, Bangalore

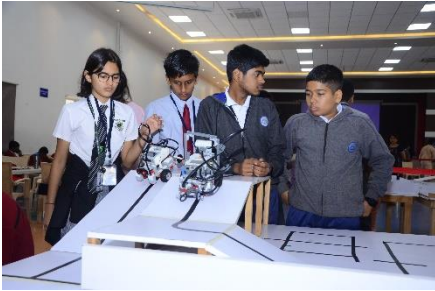
### Day One

On January 27<sup>th</sup>, students and faculty from the above school's arrived early and assembled in the school auditorium. The inauguration ceremony commenced at 09:00am wherein the Sarsavati Vandana was recited by all present whilst the principal, Dr. Bindu Saini; vice principal, Ms. Padmavati Banda; LSCL Director, Mr. David Prakash and his wife; along with the judges present performed the lamp lighting ceremony.



Dr. Saini then welcomed all participants wishing them the very best. She also requested all those present to accept diversity, as they had come from other states and Pune would be offering a new culture, a new people and new everything.

LSCL Director, Mr. David Prakash then went on to speak about the proceedings for both days, the four games, the judging procedure, and rules. He finally wished everyone the very best. And with that the competition began.



Day One was a practice round where students and their respective faculty members practiced their robotic performances and made sure their programming was done right. The auditorium filled with liveliness as students toiled upon their robots, tirelessly working on the programming making sure all goes as planned and required. They all would be competing for any of the following four games: Rescue Line, Rescue Maze, On Stage and Soccer games.



## Day Two

The main event was held on this day with the judges coming to their final conclusion regarding their performances. The competition once again commenced early at 09:00 am. **The number of teams for each game are stated as under:**

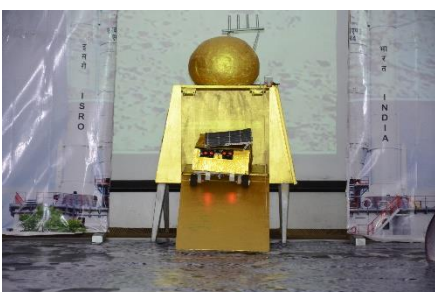
1. Rescue Line: **19**
2. Rescue Maze: **16**
3. On Stage: **08**
4. Soccer: **07**



The day proved to be far more challenging than before since those qualifying for the finals would head to the international round in July 2024. The judges were meticulous whilst engaging with the students and judging the performances.

Judging the competition were: Ms. Shweta Inge, a Graphic and UI/UX designer, and a Master in Fine Arts from

Nagpur University; Ms. Dipali Dhokane, an assistant professor. Dr. D.Y. Patil International University, Pune; Mr. Pravin Nagavkar, a BE (Mech) graduate working as a Senior Manager in Tata Motors; and Dr. Dnyanda Hire, a PhD in Electronics and Telecommunication engineering, and working as an assistant professor in E&TC Department, Dr. D.Y. Patil Institute of Engineering Management and Research, Akurdi, Pune; and Mr. Sagar Kashid.



The participants toiled hard until 02:00pm with the judges judging the performances. With lunch served and an hour given to arrive at the results, the award ceremony commenced at 04:00pm.

## The Award Ceremony

Students and faculty from the respective schools all were seated in anticipation whilst the award ceremony began. Mr. David Prakash announced the winners. Felicitating the winners was Mrs. Prakash, and all the judges,



We are proud to announce that S.B. Patil Public School won the Innovative Robot Design Award in the Special Category. The winners' names are Aarush Garg and Shreyash Mandhare from VIII-D; and Ruchir Bhole and Suparshwa Basagwdar from VIII-F. We congratulate every one of them for the astounding win.



**The finalists in all the categories are given below:**

Rescue Line 2024			
S. No.	Position	Team Name	School
1.	First	System Overloaded	Shiv Nadar School, Noida
2.	Second	Quadrex	Shiv Nadar School, Noida
3.	Third	Cyclops	The Makers

Rescue Line 2024: Special Awards			
S. No.	Award	Team Name	School
1.	<b>Best Team Work</b>	Vijay	Alpine Convent School
2.	<b>Best Technical Skills</b>	Wired Wizards	Greenwood High International School
3.	<b>Best Rescue Model</b>	Rescue Rovers	Little Flower School, Uppal
4.	<b>Overall Performance</b>	Robot Inventors	Shiv Nadar School, Gurgaon

Rescue Maze 2024			
S. No.	Position	Team Name	School
1.	First	Robo Squad	Shiv Nadar School, Faridabad
2.	Second	Cyber Knights	Greenwood High International School, Bannerghatta
3.	Third	Cyborg	Shiv Nadar School, Gurgaon

S. No.	Award	Team Name	School
1.	<b>Best Creativity and Innovation</b>	VVS Warriors	Vasant Valley School
2.	<b>Best Robot Design</b>	Codex	Manav Rachna International School Charmwood, Faridabad
3.	<b>Best Programming Skills</b>	Hex Dimentions	Manav Rachna International School Charmwood, Faridabad
4.	<b>Overall Best Performance</b>	EV3 Squad	Shiv Nadar School, Faridabad

On Stage 2024			
S. No.	Position	Team Name	School
1.	First	The Irrigators	Greenwood High School, Sarjapur
2.	Second	Chandrayaan	BGS World School, Chikaballapur
3.	Third	Autobots	Little Flower School, Uppal



On Stage 2024: Special Awards			
S. No.	Award	Team Name	School
1.	Best Programming	Robust Ganesha	Sri Shankara Chennai
2.	Best Team Work	Fab Five	BGS World School Nagarur
3.	Best Choreography	Green Defenders	BGS Chikaballapur
4.	Best Performance	The Clean Sweepers	Greenwood High School Sarjapur

Soccer 2024			
S. No.	Position	Team Name	School
1.	First	Squardrons	Shiv Nadar School, Faridabad
2.	Second	TechX	Shiv Nadar School, Faridabad
3.	Third	Omni Present	Shiv Nadar School, Gurgaon

Soccer 2024: Special Awards			
S. No.	Award	Team Name	School
1.	Best Robot Design	VVS Ballers	Vasant Valley School
2.	Best Attacker Design	Gurgaon Gangsters	Shiv Nadar School, Gurgaon
3.	Best Programing award	Omni Present	Shiv Nadar School, Gurgaon
4.	Best Defender Programming	VVS FC	Vasant Valley School

We also give our heartiest congratulations to all the winners in the different categories as they go on to participate in the International Competition.



We thank everyone whose contribution helped to make this event a grand success: Principal of S.B. Patil Public School, Dr. Bindu Saini; vice principal, Ms. Padmavati Banda; HMM Ms. Shubhangi Kulkarni; the section coordinators: Ms. Darshana Kamat, Ms. Vandana Sangle and Ms. Archana Prabhune; and the administrative manager, Mr. Manish Dhekale: all of whom acted as mentor and guide to not just the students but the teachers as well.



We also wholesomely thank the robotics teachers, Ms. Varsha Gawali and the entire robotics faculty; Ms. Richa Arora, computer teacher and automation and digitisation in-charge; the administrative faculty; and the IT faculty: Mr. Abhijeet Gaikwad and Mr. Aman Yadav.



We also lend our heartiest gratitude to Mr. David Prakash, Director of LSCL, Bangalore who is also the Indian Representative for all the international RoboCup competitions and events; Ms. Meena Prakash for her devout contribution.



Our thanks also goes out to all the parents and faculties of all the students who participated. They acted as mentors and pillars of support, especially bringing them all the way to Pune from across the country and being with them throughout the competition. We also thank the support staff of our school who tended to the need of the faculties and students; and of course we thank the Prowiz Team for helping us publish the certificates, ID cards and flexes.

Last but not the least, a standing ovation to the PCET management and Board of Trustees: Mr. Dnyaneshwar P. Landge, Chairman; Ms. Padma M. Bhonsle, Vice Chairperson; Mr. Vitthal S. Kalbhor, Secretary; Mr. Shantaram D. Garade, Treasurer; Mr. Harshwardhan S. Patil, Trustee; and Dr. Girish M. Desai, Executive Director. This event would not at all have been possible had it not been for their efforts, support and guidance.