



Robotics In Academics

Soham Academy of Human Excellence

Promoting Innovation in Schools



16
Districts



50,337+
Students



301+
Schools



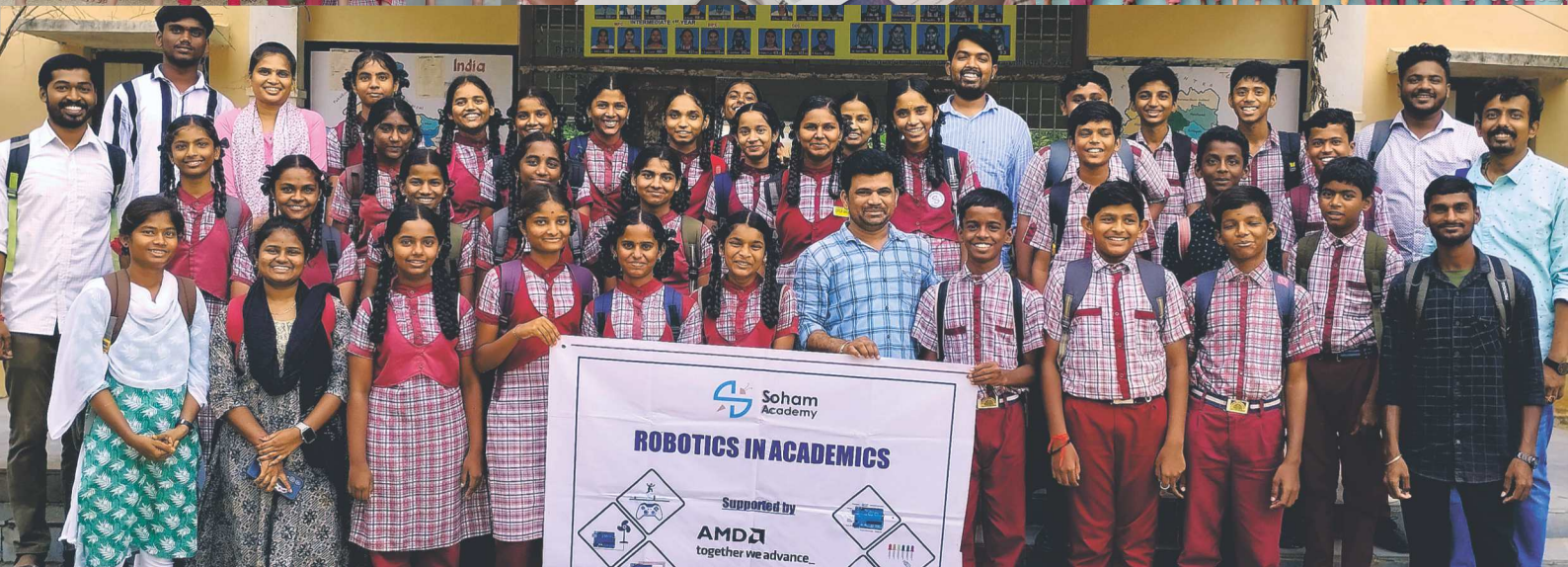
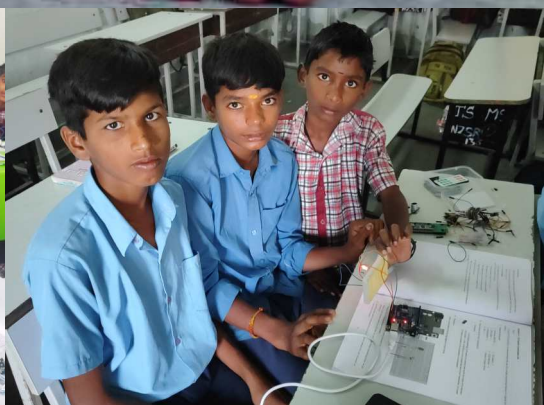
27+
Colleges



2120+
Trainers

Telangana's Largest Robotics Education Program in Government Schools

December 2024 Edition



1.0 About Robotics in Academics

Robotics in Academics is a unique hands-on robotics training program initiated by Soham Academy of Human Excellence. It aims to bring the latest and greatest technologies to the door step of needy schools. It promotes innovation and develops a sustained scientific temperament among students.

2.0 Typical Program at a School

To bring the knowledge of robotics to the students of schools, we have designed a simple training program. This program will be run by our well-trained engineers and interns. The following are the sequence of steps followed at a selected school.

1. Students complete 21 activities in a day long workshop.
2. Students will be provided with curriculum books.
3. All the participants will be given course completion certificates.
4. Robotics Club is formed in the school.
5. School gets full fledged robotics innovation kits.
6. Club members join our special virtual sessions with all other schools.
7. Clubs are expected to complete 7 levels of challenges during the academic year.
8. Our Innovation coaches will visit the schools to conduct innovation melas for half day each.
9. School participates in the regional and annual robotics exhibition.
10. With support from our CSR partners, the program continues year after year.

3.0 Innovation Challenges

After the workshop, the school will be provided an opportunity to participate in a sequential set of seven robotics challenges. Below picture shows how a school climbs up the innovation challenge ladder.

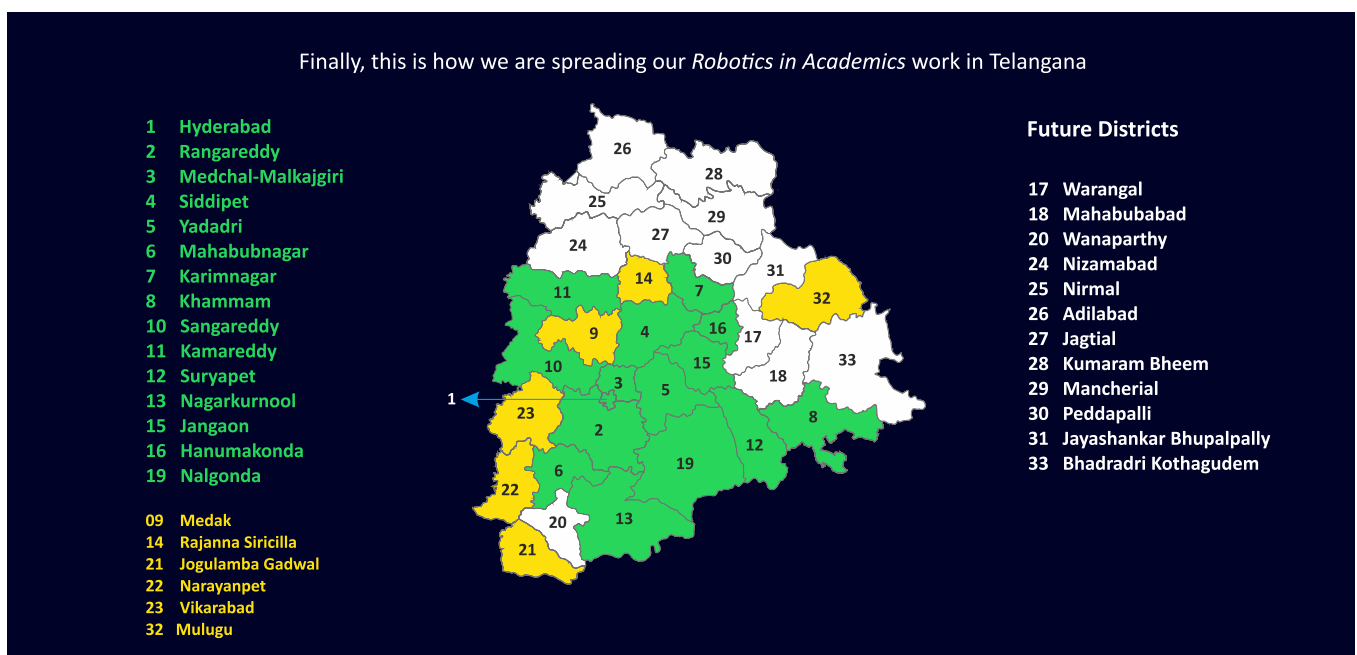
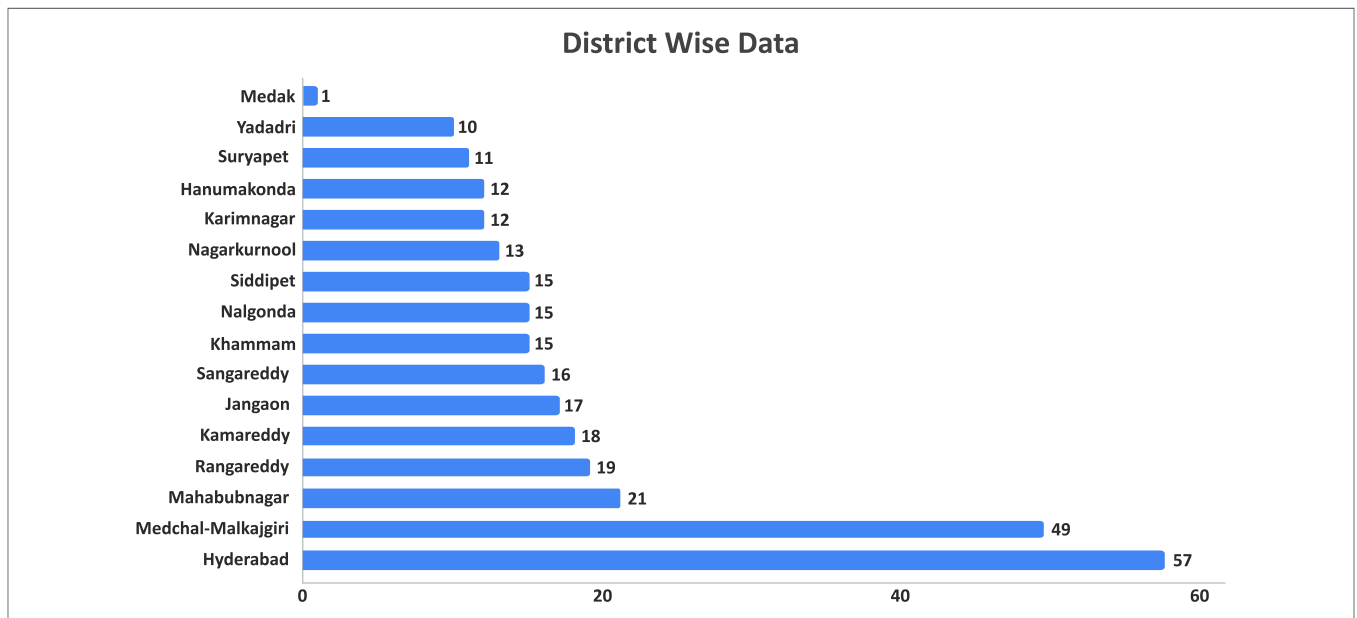
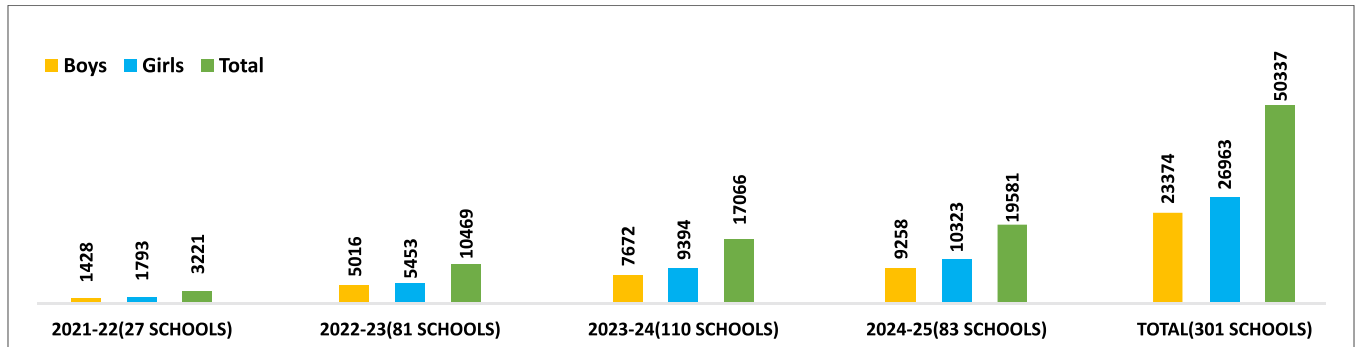


4.0 Our work so far

4.1 Robotics Workshops in Schools

As of December 03, 2024, we are working with 301 institutions and have trained 50,337 students. This includes the new set of students we train each year in each of the schools that we support. You can access the current statistics from our portal at ria.sohamacademy.org.

In addition to expanding to new districts soon, we are also taking up several new schools in Hyderabad, Rangareddy and Medchal-Malkajiri districts where we are already supporting a large number of schools. The following is the data as of December 03, 2024.

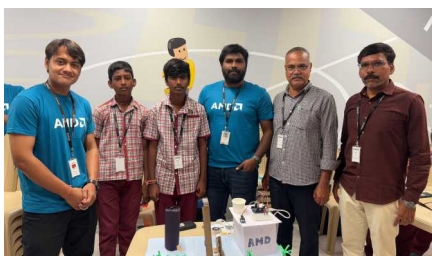


4.2 Robotics Events & Exhibitions

We organize several robotics events and exhibitions that offer a platform for school innovators to showcase their inventions. Also, our corporate sponsors and local institutions encourage our students to visit their offices and exhibit their projects.

Out of all, our Annual Robotics Exhibition truly stands out as the highlight of the year, featuring the latest and most exciting innovations from schools.

No	Date	Description	Projects	Students
1	27-Mar-2022	1 st Annual Robotics Exhibition at Sri Sathya Sai Vidya Vihar, Hyderabad	28	98
2	06-Nov-2022	Exhibition at IETE, Osmania University, Hyderabad	5	15
3	08-Nov-2022	Exhibition at Synchrony, Hyderabad	2	4
4	09-Feb-2023	Exhibition at Synchrony, Hyderabad	5	10
5	22-Feb-2023	Global Volunteer Week at NTT DATA, Hyderabad	5	10
6	28-Feb-2023	2 nd Annual Robotics Exhibition at Synchrony, Hyderabad	81	158
7	23-Dec-2023	Exhibition at District Science Forum, Mahabubnagar	21	45
8	29-Jan-2024	FIRST Tech Challenge, Goa Int'l Robotics Festival	1	6
9	30-Jan-2024	Hackathon at Synchrony, Hyderabad	10	30
10	19-Feb-2024	Global Volunteer Week at NTT DATA, Hyderabad	8	16
11	29-Feb-2024	3 rd Annual Robotics Exhibition, Uppal, Hyderabad	164	325
12	18-Mar-2024	Exhibition at Government Degree College (A), Siddipet	30	62
13	29-Aug-2024	Mini Hackathon at AMD, Hyderabad	15	45
14	13-Sep-2024	Exhibition at GHS, Shaikpet (AMD Leadership Visit)	5	15
15	29-Nov-2024	Mini Hackathon at AMD, Hyderabad	20	40
16	30-Nov-2024	Robotics Innovation Workshop at ZPHS, Hayathnagar	6	22
		Grand Total	406	901





4.3 Innovation Melas

To promote innovation, we started organizing *Innovation Melas* in schools in 2023-24.

The *Innovation Melas* help children in completing their innovation challenges. Our innovation coaches visit the schools and work with the robotics club members. The children complete their robotics models that attempt to solve real-life problems through the application of concepts available in the innovation challenges.

The following is the data about innovation melas as of November 30, 2024

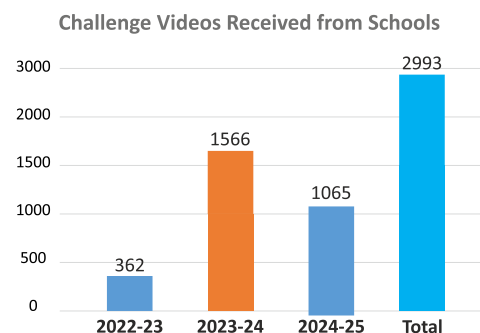
No	Description	2023-24	2024-25	Totals
1	Schools	386	295	681
2	Coaches	422	330	752
3	Students	5152	4036	9188
4	Projects	1028	1080	2108



4.4 Innovation Challenges

All our supported schools participate in a sequential set of seven robotics challenges. The following is the data as of November 30, 2024.

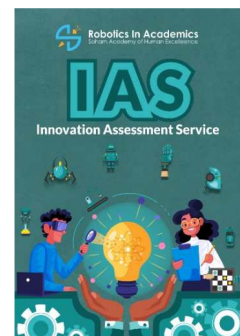
No	Challenge	2022-23	2023-24	2024-25
1	Bronze	71	183	206
2	Silver	19	156	115
3	Gold	8	91	33
4	Platinum	1	30	1
5	Diamond	-	16	-
6	Masters	-	14	-
7	Grand Masters	-	11	-



5.0 Volunteering Opportunities

We announced the *Innovation Assessment Service (IAS)* this year. This service is especially useful for volunteers who would like to give their time to promote innovation in schools. Through IAS, the volunteers will be able to:

- Assess and award points to the robotics models developed by the students.
- Help in creating quiz programs using the Innovation Edge book, designing new robotics activities and helpful videos for school children, and mentoring robotics clubs in schools.
- Take up the role of an innovation coach and mentor students in building better robotics models in Innovation Melas.
- Support our Innovation Sabhas.



6.0 Our Team

Our core team of coordinators, trainers, and innovation coaches work together to implement and execute robotics workshops at various schools. We follow up with the schools to create and nurture robotics clubs. Our trainers run the workshops and prepare the students for a long-term association with our Robotics in Academics program. We have a pool of 2120+ trainers in various colleges across Telangana.

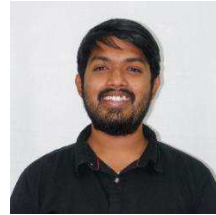
Our innovation coaches visit schools to assist children in participating in the robotics challenges that we release every now and then. We have 120+ innovation coaches across all our supported districts. The following lists our core team members and some of our prominent innovation coaches for the 2024-25 academic year.



Komaragiri Sahadev
Program Director



Maddala Ganitha
Program Coordinator



Boravelli Jeshwanth
Program Coordinator



Nimma Spandana
Robotics Engineer



Yata Anusha
Robotics Engineer



Kondapur Rahul
Robotics Engineer



Mupparapu Ramya
Clubs Coordinator



Patwari Pavan Kumar
Innovation Coordinator

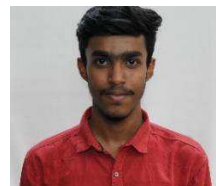
Our Top Trainers



K. Pavani



J. Santhosh



K. Saketh Reddy



M. Praharsha



K. Varshith Reddy



G. Rohith



P. Shreyas



K. Siri Priya



G. Pavan Kalyan



S. Saisujith



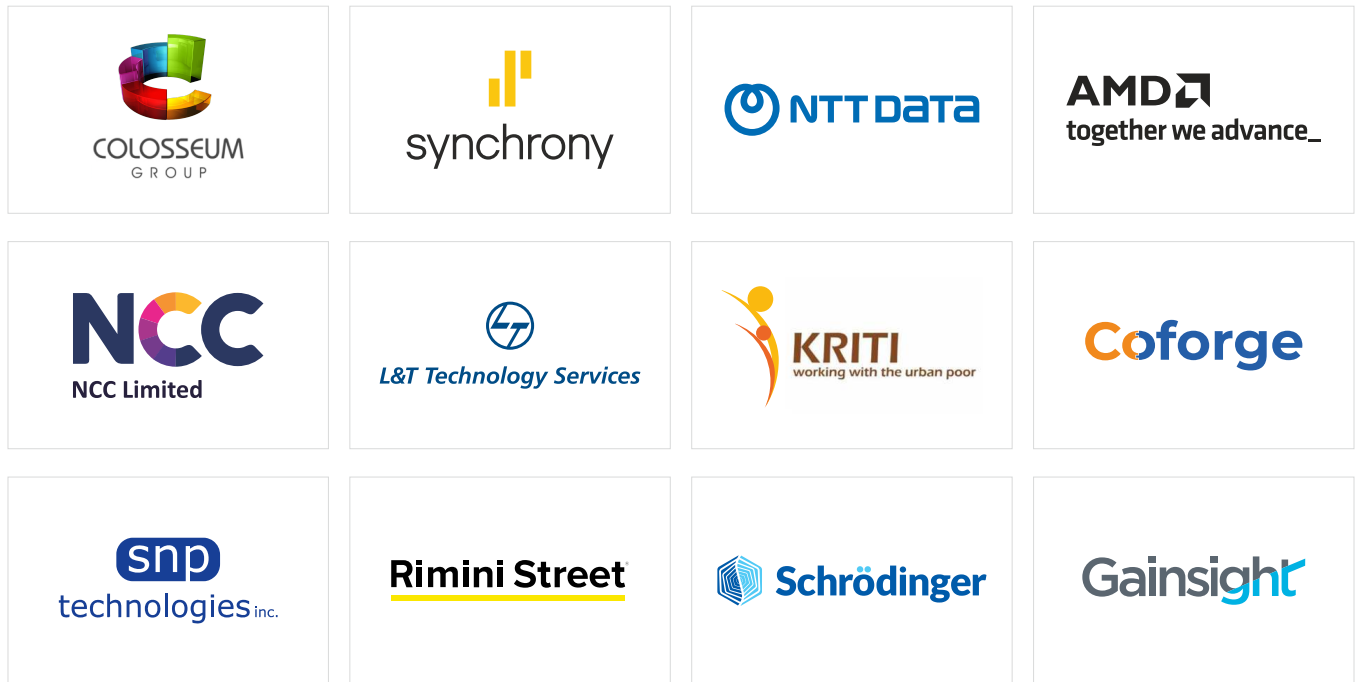
A. Surender



A. Arvind

7.0 Our CSR Partners

We extend enduring gratitude to all our Corporate Social Responsibility (CSR) partners for their invaluable support for our *Robotics in Academics* program.



8.0 Our Education Partners





9.0 Our Powerful Impact

Students Trained
50,337



College Students Trained
2120

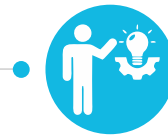


Districts Benefited
16



Schools Supported

301



Innovation Melas

681



Number of Innovations

2993



4 Years of Robotics Excellence



About Soham Academy of Human Excellence

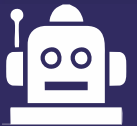
It is our mission to complement the efforts of the schools in doing what they are unable to do and in teaching what they are not equipped to teach.

Over the past 9 years, we have been working with several government, aided, budget, and private schools in both the states of Telangana and Andhra Pradesh. Thousands of children got benefited from our academy's activities in English Proficiency, Learning to Learn, Robotics in Academics, Yoga, Athletics & Sports, Soham Fine Arts, and Soham Leadership programs.

Our Key Focus Areas

Robotics in Academics

We are Telangana's Largest Robotics Education Program in Government schools and colleges. Our unique hands-on robotics training program aims to bring the latest and greatest technologies to children's doorstep, preparing them for a technologically advanced world that they will inherit. Children will complete 21 activities that make use of various types of sensors, motors, displays, and other accessories. Once the training is completed, we organize Robotics Clubs in each of the schools and nurture them with new innovative programs. For more information, please visit ria.sohamacademy.org



Yoga & Athletics

Our key objective is to keep our students fit and healthy. We achieve this by teaching Yoga and training them in athletics. We have successfully engaged children in adopting Yoga as an important part of their routine. Their continuous participation in programs at their schools and popular public venues has made this possible. In addition to Yoga, we strongly encourage all our kids to participate in 5K and 10K races and excel in at least one team sport and one individual sport. For more information, please visit yoga.sohamacademy.org.



Soham Leadership

We offer a one-year program that aims to impart the skills and abilities of a leader through defined individual and team goals. Our motto behind the program is to prepare the students to play a key role in their own communities as well as in society at large. As part of the program, our leaders actively conduct interactions with various industry specialists, participate in leadership summits, engage in outdoor activities, take part in fitness challenges, and participate in book reading activities, national day celebrations, and many more. For more information, please visit sohamleaders.org.



Soham Fine Arts

We strive to create a large number of individuals who succeed in their honest pursuits of human excellence. Our children learn to dance and sing songs that have been passed down from generation to generation. We teach them folk dances, semi-classical songs, ancient Sanskrit slokas, stotras, and Vedic hymns. Whenever and wherever an opportunity arises, we provide them a platform to showcase their talents and knowledge.



sohamacademy.org

Soham Academy of Human Excellence

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Robotics in Academics



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