



# Robotics In Academics

Soham Academy of Human Excellence

## Promoting Innovation in Schools



## Telangana's Largest Robotics Education Program in Government Schools

October 2025 Edition



TSMS J COLLEGE CHILKODU DORNAKAL



### 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.



### 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.

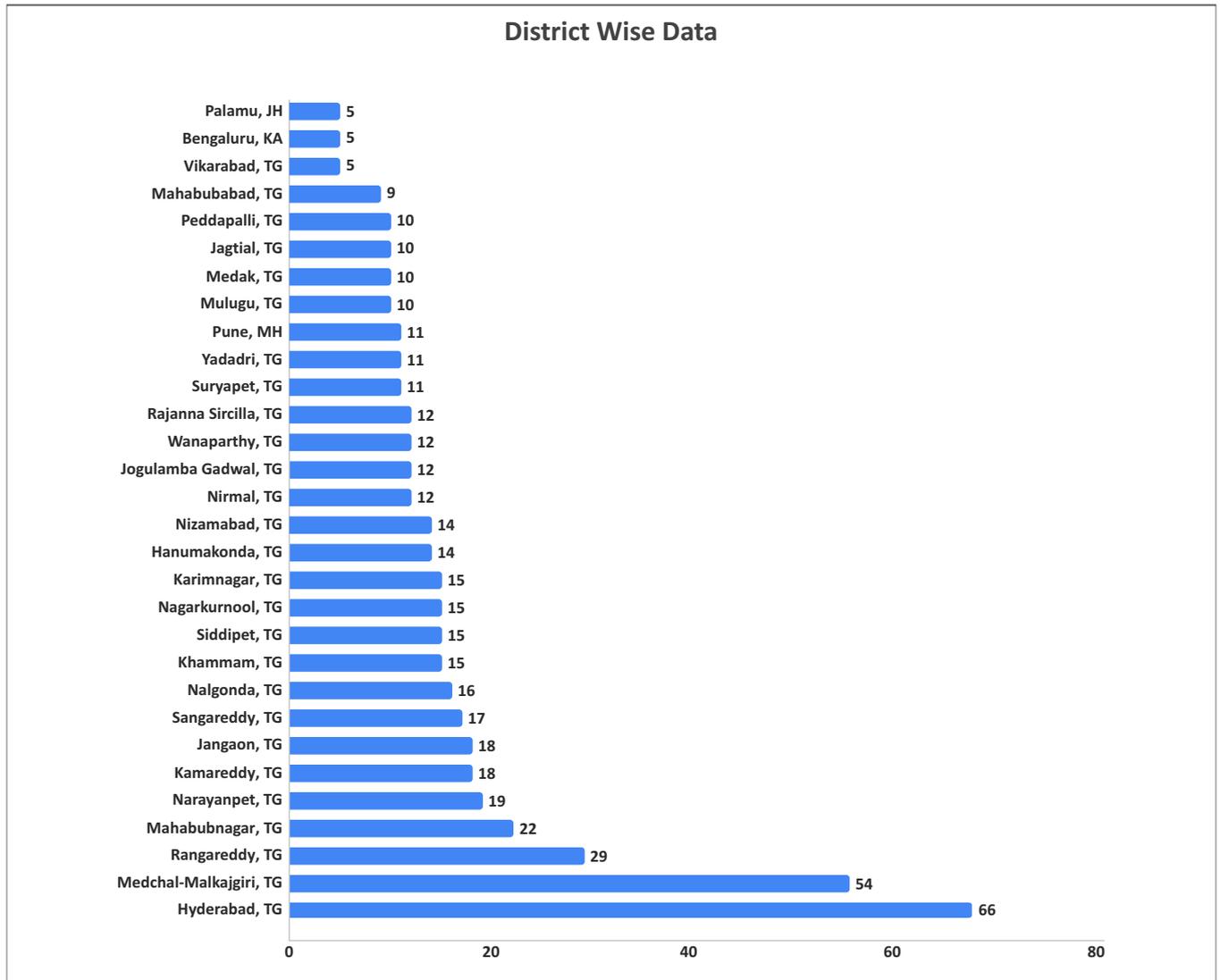
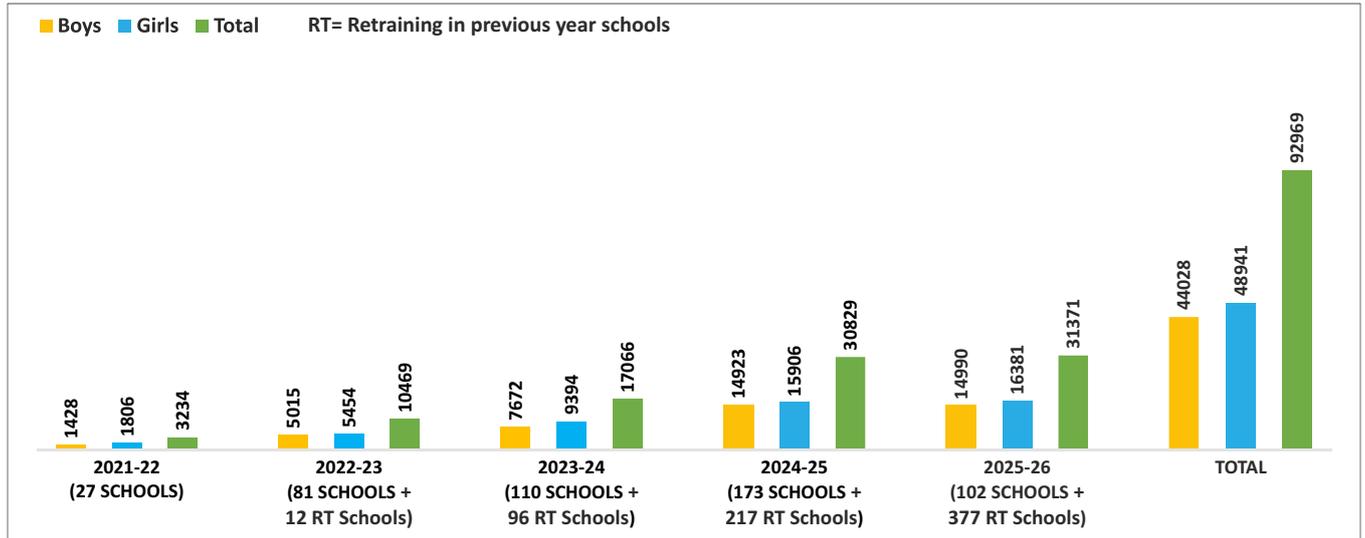


## 4.0 Our work so far

### 4.1 Robotics Workshops in Schools

We are working with 493 institutions and have trained 92,969 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](http://ria.sohamacademy.org).

In addition to expanding to new districts and states soon, we are also taking up several new schools in Warangal, districts. Finally, this is how we are spreading our Robotics in Academics work in Telangana, Maharashtra, Jharkhand and Karnataka. The following data reflects our progress to date.



## 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 <sup>st</sup> 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 <sup>nd</sup> 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 <sup>rd</sup> 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	29-Nov-2024	Robotics Innovation Workshop at ZPHS, Hayathnagar	6	22
17	04-Jan-2025	District Level Exhibition at District Science Forum, Mahabubnagar	21	42
18	05-Feb-2025	Global Volunteer Week at NTT DATA, Hyderabad	12	24
19	28-Feb-2025	FIRST Tech Challenge, Pune Int'l Robotics Festival	1	8
20	01-Mar-2025	4 <sup>th</sup> Annual Robotics Exhibition, Uppal, Hyderabad	241	438
21	25-Jun-2025	Synchrony Leadership Visit at ZPGHS Patancheru	3	6
22	04-Oct-2025	Soham Hack-A-Board Hackathon 2025, Bagh Amberpet, Hyderabad	21	47
		<b>Grand Total</b>	<b>705</b>	<b>1466</b>

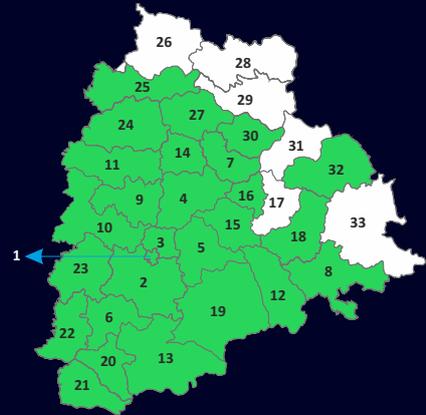


Finally, this is how we are spreading our *Robotics in Academics* work across India.

## Telangana

### Future Districts

- |                     |                     |                            |
|---------------------|---------------------|----------------------------|
| 1 Hyderabad         | 14 Rajanna Sircilla | 17 Warangal                |
| 2 Rangareddy        | 15 Jangaon          | 26 Adilabad                |
| 3 Medchal-Malkajiri | 16 Hanumakonda      | 28 Kumuram Bheem Asifabad  |
| 4 Siddipet          | 18 Mahabubabad      | 29 Mancherial              |
| 5 Yadadri           | 19 Nalgonda         | 31 Jayashankar Bhupalpally |
| 6 Mahabubnagar      | 20 Wanaparthy       | 33 Bhadradi Kothagudem     |
| 7 Karimnagar        | 21 Jogulamba Gadwal |                            |
| 8 Khammam           | 22 Narayanpet       |                            |
| 9 Medak             | 23 Vikarabad        |                            |
| 10 Sangareddy       | 24 Nizamabad        |                            |
| 11 Kamareddy        | 25 Nirmal           |                            |
| 12 Suryapet         | 27 Jagtial          |                            |
| 13 Nagarkurnool     | 30 Peddapalli       |                            |
|                     | 32 Mulugu           |                            |



## Maharashtra

Pune



## Jharkhand

Palamu



## Karnataka

Bengaluru



## Hyderabad



**66**

Schools  
Benefited



**15255**

Students  
Impacted



**5**

Colleges  
Trained



**535**

Students  
Trained



**1479**

Innovations  
Created



## Medchal-Malkajgiri



**54**

Schools  
Benefited



**12090**

Students  
Impacted



**8**

Colleges  
Trained



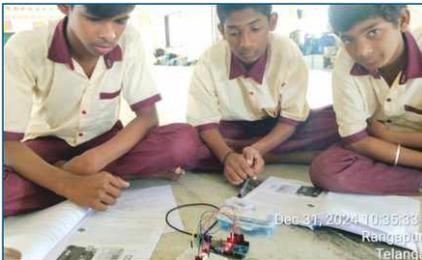
**528**

Students  
Trained



**1059**

Innovations  
Created



## Rangareddy



**29**

Schools  
Benefited



**5597**

Students  
Impacted



**403**

Innovations  
Created



## Mahabubnagar



**22**

Schools  
Benefited



**4609**

Students  
Impacted



**3**

Colleges  
Trained



**215**

Students  
Trained



**771**

Innovations  
Created



## Narayanpet



**19**

Schools  
Benefited



**3318**

Students  
Impacted



**1**

College  
Trained



**134**

Students  
Trained



**51**

Innovations  
Created



## Kamareddy



**18**

Schools  
Benefited



**3527**

Students  
Impacted



**4**

Colleges  
Trained



**191**

Students  
Trained



**291**

Innovations  
Created



## Jangaon



**18**

Schools  
Benefited



**2907**

Students  
Impacted



**1**

College  
Trained



**126**

Students  
Trained



**153**

Innovations  
Created



## Sangareddy



**17**

Schools  
Benefited



**3239**

Students  
Impacted



**229**

Innovations  
Created



## Nalgonda



**16**

Schools  
Benefited



**2794**

Students  
Impacted



**1**

College  
Trained



**220**

Students  
Trained



**331**

Innovations  
Created



## Khammam



**15**

Schools  
Benefited



**2505**

Students  
Impacted



**3**

Colleges  
Trained



**337**

Students  
Trained



**223**

Innovations  
Created



## Siddipet



**15**

Schools  
Benefited



**3686**

Students  
Impacted



**1**

College  
Trained



**71**

Students  
Trained



**332**

Innovations  
Created



## Nagarkurnool



**15**

Schools  
Benefited



**2599**

Students  
Impacted



**1**

College  
Trained



**103**

Students  
Trained



**143**

Innovations  
Created



## Karimnagar



**15**  
Schools  
Benefited



**2952**  
Students  
Impacted



**2**  
Colleges  
Trained



**183**  
Students  
Trained



**260**  
Innovations  
Created



## Hanumakonda



**14**  
Schools  
Benefited



**2155**  
Students  
Impacted



**1**  
College  
Trained



**107**  
Students  
Trained



**150**  
Innovations  
Created



## Nizambad



**14**  
Schools  
Benefited



**1712**  
Students  
Impacted



**4**  
College  
Trained



**426**  
Students  
Trained



# Jogulamba Gadwal



**12**

Schools  
Benefited



**2276**

Students  
Impacted



**2**

Colleges  
Trained



**283**

Students  
Trained



**81**

Innovations  
Created



# Rajanna Sircilla



**12**

Schools  
Benefited



**2103**

Students  
Impacted



**1**

College  
Trained



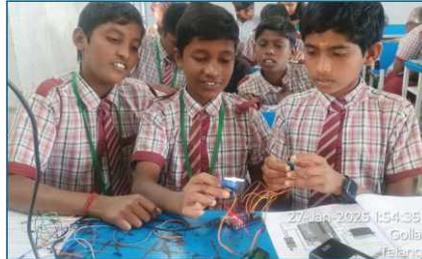
**70**

Students  
Trained



**96**

Innovations  
Created



# Wanaparthy



**12**

Schools  
Benefited



**2027**

Students  
Impacted



**2**

Colleges  
Trained



**268**

Students  
Trained



## Nirmal



**12**

Schools  
Benefited



**1557**

Students  
Impacted



**2**

College  
Trained



**172**

Students  
Trained



## Yadadri Bhuvanagiri



**11**

Schools  
Benefited



**2936**

Students  
Impacted



**2**

Colleges  
Trained



**26**

Students  
Trained



**250**

Innovations  
Created



## Suryapet



**11**

Schools  
Benefited



**2258**

Students  
Impacted



**1**

College  
Trained



**209**

Students  
Trained



**208**

Innovations  
Created



## Pune, MH



**11**  
Schools  
Benefited



**1380**  
Students  
Impacted



**1**  
College  
Trained



**149**  
Students  
Trained



**40**  
Innovations  
Created



## Mulugu



**10**  
Schools  
Benefited



**1589**  
Students  
Impacted



**2**  
Colleges  
Trained



**88**  
Students  
Trained



**60**  
Innovations  
Created



## Medak



**10**  
Schools  
Benefited



**1533**  
Students  
Impacted



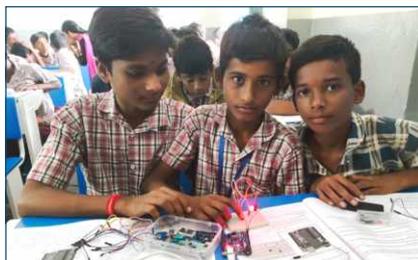
**1**  
College  
Trained



**162**  
Students  
Trained



**44**  
Innovations  
Created



## Peddapalli



**10**

Schools  
Benefited



**1369**

Students  
Impacted



**3**

Colleges  
Trained



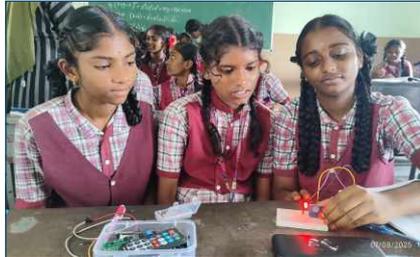
**99**

Students  
Trained



**33**

Innovations  
Created



## Jagtial



**10**

Schools  
Benefited



**1307**

Students  
Impacted



**1**

College  
Trained



**74**

Students  
Trained



**18**

Innovations  
Created



## Mahabubabad



**9**

Schools  
Benefited



**1208**

Students  
Impacted



**1**

College  
Trained



**36**

Students  
Trained



## Bengaluru, KA



**5**

Schools  
Benefited



**518**

Students  
Impacted



**1**

College  
Trained



**78**

Students  
Trained



**32**

Innovations  
Created



## Palamu, Jharkhand



**5**

Schools  
Benefited



**597**

Students  
Impacted



**1**

College  
Trained



**154**

Students  
Trained



## Vikarabad



**5**

Schools  
Benefited



**568**

Students  
Impacted



**1**

College  
Trained



**28**

Students  
Trained



# Mancherial



**1**  
Schools  
Benefited



**119**  
Students  
Impacted



**1**  
College  
Trained



**142**  
Students  
Trained



## 4.2 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 till date of publication.

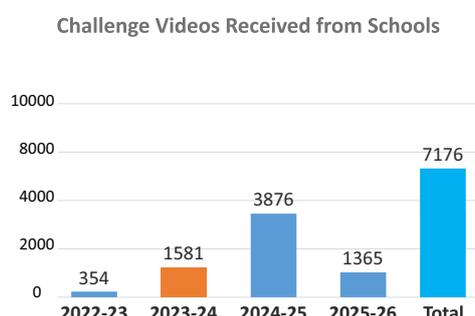
No	Description	2023-25	2025-26	Totals
1	Schools	954	464	1418
2	Coaches	1082	539	1621
3	Students	12994	5934	18928
4	Projects	3347	1335	4682



## 4.3 Innovation Challenges

All our supported schools participate in a sequential set of seven robotics challenges. The following is the data about Innovation Challenges as of the publication date.

No	Challenge	2022-23	2023-24	2024-25	2025-26
1	Bronze	71	183	353	254
2	Silver	19	156	319	139
3	Gold	8	91	246	52
4	Platinum	1	30	159	-
5	Diamond	-	16	100	-
6	Masters	-	14	86	-
7	Grand Masters	-	11	67	-



## 5.0 Volunteering Opportunities

The *Innovation Assessment Service (IAS)* was launched to deepen volunteer engagement in promoting grassroots innovation across schools.

Through IAS, volunteers assess and award points to student-developed robotics models, design quiz programs using the Innovation Edge book, create engaging robotics activities and educational videos, mentor school robotics clubs, and serve as innovation coaches during Innovation Melas. They also play a vital role in organizing and supporting Innovation Sabhas, fostering a culture of creativity and collaboration.

Since its inception, IAS has grown into a dynamic platform for volunteer-led impact. This year, the initiative has scaled significantly, with thousands of student innovation videos reviewed across multiple regions. The surge in participation reflects the dedication of our volunteer community and the expanding reach of our Robotics in Academics program—bringing hands-on innovation to classrooms in Telangana, Maharashtra, Jharkhand, Karnataka, and beyond.



## 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 5,495+ 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 150+ innovation coaches across all our supported districts. The following lists our core team members and some of our prominent innovation coaches for the 2025-26 academic year.



**Komaragiri Sahadev**  
Program Director



**Maddala Ganitha**  
Program Coordinator



**Boravelli Jeshwanth**  
Program Coordinator



**K. Pavani**  
Robotics Engineer



**M. Praharsha**  
Robotics Engineer



**J. Santhosh**  
Robotics Engineer



**P. Pavan Kumar**  
Robotics Engineer

### Our Top Trainers



**M. Srikanth**



**D. Ajay**



**A. Arvind**



**R. Jaswanth**



**A. Akanksha**



**Kanna Pavani**



**K. Tejaswini**



**D. Yamini**

## 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 Collaboration Partners



## 9.0 Our Education Partners





## 10. Testimonials

Robotics is a vast subject, and what our students have learned here is just like learning the ABCs of it. After completing their secondary or intermediate studies, when they move on to engineering, they will encounter the same components again.

The small board they worked with is called a microcontroller, which functions like a microprocessor. Along with it, they also explored diodes, resistors, and other electronic parts. By practicing with these at an early stage, students become familiar with technology, gain confidence, and find it easier to understand advanced concepts in the future.

This program by Soham Academy is truly impactful, and I sincerely thank Sahadev Sir for providing such a wonderful opportunity to our students and school.

**K. Shravan Kumar,**  
Robotics Incharge,  
ZPHS Danthalapally, Mahabubad

I had the opportunity to participate in the Robotics program. Robotics is truly special as it applies Artificial Intelligence to real-life situations. This is not like a regular subject—it is something new and exciting.

I successfully completed my first class and took part in 21 challenges, which helped me learn and explore a lot. This experience has been both memorable and inspiring. I sincerely thank Soham Academy for giving me this wonderful opportunity.

**Rakesh,**  
8<sup>th</sup> Class,  
TGSWRS (B), JP Nagar, Nagarkurnool

I feel truly fortunate to have been a part of the Robotics Workshop organized by Soham Academy on 21st September at my hostel Vidyarthi Sahayak Samiti (VSS) am especially thankful to my hostel for providing me this golden opportunity, which became a turning point in my learning journey.

The workshop was much more than just a training session it was an eye-opening experience where I gained not only technical knowledge but also confidence and inspiration. The mentors from Soham Academy explained concepts in such an engaging way that robotics felt exciting and approachable.

What made this experience even more special was the opportunity that Soham Academy later provided us: to share what we learned with school students. I had the chance to visit NMV Girls' School and teach robotics basics to the students there. Standing in front of them, sharing my knowledge, and seeing their enthusiasm filled me with immense joy and pride. It was a powerful reminder that learning becomes more meaningful when it is shared.

This journey from being a learner in the workshop to becoming a mentor for school students was deeply enriching. It strengthened my confidence, improved my communication skills, and gave me the satisfaction of contributing to others' growth.

I am sincerely grateful to Vidyarthi Sahayak Samiti for encouraging me, and to Soham Academy for creating such impactful opportunities. This experience will remain a memorable milestone in my academic and personal development."

**Saniya Maner,  
Trainer,  
Vidyarthi Sahayak Samiti, Pune**

I am Keerthana, a B.Tech student from Kakatiya Institute of Technology and Science for Women (KITWS). It just not a workshop it's an experience of learning new things and exploring them. The workshop was very informative and engaging.

The hands-on activities helped us understand the practical concepts of robotics clearly. The instructors explained the topics in a simple and interesting way. It improved our technical knowledge and teamwork skills. Overall, it was a great learning experience and we look forward to more such workshops in the future.

"Beyond workshop I learned so many things from the instructors that to be focused and have patience and to be consistent, and be dedicated." I had the opportunity to visit a government school and explain robotics workshop activities to the students. Visiting the government school and explaining robotics activities to the students was a wonderful experience. The students showed great curiosity and enthusiasm to learn about robotics. It was rewarding to share our knowledge. The session helped us improve our communication and teaching skills while inspiring young minds to explore technology. Overall, it was a meaningful and educational experience for both us and the students.

**Keerthana,  
Trainer,  
KITS Nizamabad**



30 Aug 2025 4:16:49 PM  
Serilingampalle



Aug 2025 10:38:28 AM  
Kosi  
Telangana



25 Sep 2024 at 4:20:51 PM  
Kailwakurthy 509



## 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](http://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](http://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](http://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 Samskrit slokas, stotras and Vedic hymns. Whenever and wherever an opportunity arises, we provide them a platform to showcase their talents and knowledge.



[sohamacademy.org](http://sohamacademy.org)

Soham Academy of Human Excellence

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TG/73/IV/2017



AATTS1503M23HY01



AATTS1503M23HY02



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### Robotics in Academics



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