

PM Shri Kendriya Vidyalaya, Adoor

ATAL TINKERING LAB

ACHIEVEMENTS 2025–26

1.Participants of Vikasit Bharath Buildathon

Students and Projects: Plantilligence

Sreedev R

Adityan S

Adishesan R

Vaishnav R Pillai

Charutharth Santhosh

The project addresses challenges faced by farmers and plant enthusiasts by using technology to monitor plant conditions and facilitate timely intervention. It represents an innovative combination of artificial intelligence, technology and environmental applications.

2.Viksit Bharat Buildathon 2025

Team EcoSync secured a place among the Top 10 teams at the National Level and emerged as a National-level Winner, receiving a cash prize of ₹2.5 lakh. This achievement stands as one of the major national-level successes of the Vidyalaya's ATL innovation activities during 2025–26

Students and Projects: Ecosync

Ayisha A. (XII B)

Arsha S. Jelish (XII B)

Kezia Philomon (XII B)

Jayalekshmi B. (XII A)

Muhammad Mihran S. (XII B)

Their project, EcoSync, is a smart waste management system that combines a solar-powered smart bin with a real-time monitoring application. Using fill-level sensors, the

system continuously monitors waste levels and sends live updates, enabling timely collection and preventing overflow. Designed for schools, apartments, public spaces, and local communities, EcoSync promotes efficient, systematic, and sustainable waste management.



3.SHEPRENEUR Programme – Dell Technologies

Achievement: One team was selected for the prestigious SHEPRENEUR Programme conducted by Dell Technologies.

Students:

Akshita Ramesh,
Meenakshi P. S. and
Gowri Nanda S.

Project: EnviroGuard

Project Description: EnviroGuard is a community-based disaster alert and response system designed to help people report emergencies quickly and support faster response, especially in disaster-prone and remote areas.

4.SIP Mentoring Programme

Achievement: Two teams from the Vidyalaya were selected for the SIP Mentoring Programme.

• Students:

Sreya K Ribu,
Mizhy Theertha

Project: Arora

Project Description: The project was developed as a wearable device which will track the heart beat and inform the caretaker.

- **Students:**

Arjun A

Project: Powergrid

Project Description: The project was based on converting the energy from footsteps into electrical energy. When a person steps on the device, the pressure is converted into electricity, which can be stored and used to power small devices.

5.Srishti Kerala State Hackathon 2025



A total of four teams from the Vidyalaya were selected among the Top 43 teams in Kerala. The selected teams worked on innovative projects titled “Moisturemate,” “Slumbersenses,” “Code Father,” and “Nexus.”

Students and Projects:

- Aryan Nair & Aben J. George

Project — Moisturemate

Project Description MoistureMate is a smart plant-monitoring system that detects soil moisture levels and helps ensure timely watering, promoting healthy plant growth and efficient water conservation.

- Aryan Nair & Aaditya R. Pillai

Project —Slumber Sense is a smart sleep-monitoring system that helps track sleep patterns and promotes better sleep habits for improved health and well-being.

- S. Krishnajith, Advait K. A. & Nithin J.

Project — Code Father

- Adwaith S., Abhinav B. & Fepin Chandra

Project — Nexus is a smart sleep-monitoring system that helps track sleep patterns and promotes better sleep habits for improved health and well-being.

6. Young Innovators Programme (YIP) 8.0-Kerala's flagship innovation



Achievement: 10 students were selected in the preliminary round. Five teams achieved District-level recognition, and one team became State-Level Champion and received a ₹50,000 cash prize.

Students and Projects: Nexus

Adwaith S

Abhinav B

Nexus is a smart sleep-monitoring system that helps track sleep patterns and promotes better sleep habits for improved health and well-being.



7. KVS AI TinkerFest 2025@ ATL 2.0 Ignite Innovation Programme

Students and Projects:

Sreedev B-Second Position

Plantelligence

The project addresses challenges faced by farmers and plant enthusiasts by using technology to monitor plant conditions and facilitate timely intervention. It represents an innovative combination of artificial intelligence, technology and environmental applications.



8. SEED The Future Entrepreneurs Programme 2025–26

Made In 3D: Seed The Future Entrepreneurs Programme 2025–26, organized by the Dassault Systèmes Foundation in collaboration with Atal Innovation Mission (AIM), NITI Aayog.

We emerged as one of the Top 200 ATL schools in the country. **The student startup team “Trident United”, with the project “RivGuard – Trident United,” progressed through multiple stages of the competition to be the Top 30 Semi-Finalists and subsequently secured a place among the Top 10 National Finalist Teams, earning an opportunity to participate in the National Grand Finale and was declared Best Product in Theme – Disaster Management and Relief.**

Karthik J. Nair (X-A)

Raaghavchandra S. (IX-A)

Aryan Nair (X-B),

Gathri B. Shal (IX-B)

Kaushik S. (X-B)



9. AI Vidya Setu 1.0 Hackathon

The Vidyalaya's team secured the Second Runner-Up position at the KVS Zonal Level in the AI Vidya Setu 1.0 Hackathon. This achievement earned the team a coveted place in the KVS National Level AI Vidya Setu Hackathon.

Students and Projects:

Sachin B. Pillai (XI A),

**Amil Sham (XI A),
Rohith R. (XI A),
Nedya V. Krishna (XI A), and
Riya Mary Roy (XI A)**



ATL ACTIVITIES





ATL Journey: Activities & Achievements – Previous Years

https://docs.google.com/presentation/d/1z2uceRNiA_puVU8kFz-T5YwnEjtMq8sv/edit?usp=sharing&oid=109311860605728084614&rtpof=true&sd=true