

AIR FORCE SCHOOL JAMMU

ATL Achievements Report – 2024

Igniting Young Minds – Innovating for the Nation

1. National Children’s Science Congress (NCSC)

State Level Selections:

- “Traditional Methods of Food Preservation” – by Savri Gupta and Danika L. Mohanty
- “License Scanner” – by Aryan Sharma

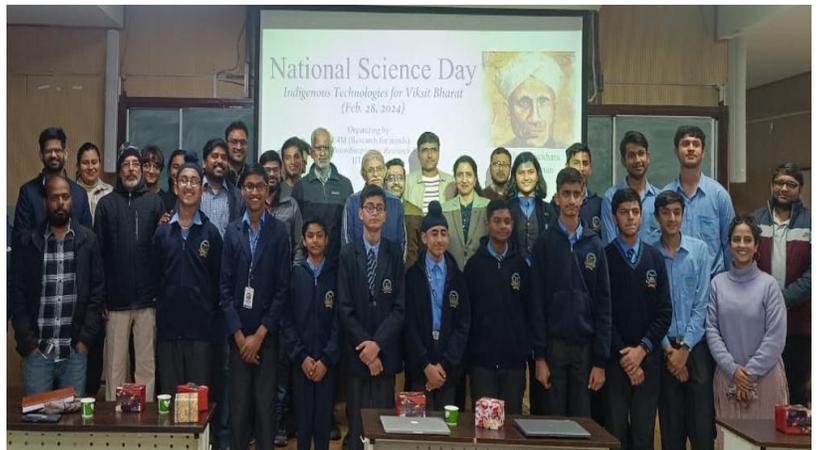
National Level Qualification:

- “Rekindle Hope: Suicide Prevention App – A Digital Heaven for Mental Well-being” by Arjunveer Singh and Pratyush Verma, selected for the National Level held at Bhopal in Ravindra Bhavan from 3rd January to 6th January.



2. Exclusive Invitation to IIT Jammu – National Science Day 2024

Air Force School Jammu was the only school invited to IIT Jammu for project demonstrations, highlighting the quality and credibility of our student innovations.





3. Seed the Future Entrepreneurs Program – La Fondation Dassault Systèmes

“Bhu Jal Nirdharak” was selected among the Top 12 teams in India.

The team visited Dassault Systèmes, Pune, and presented their prototype to Dr. Chintan Vaishnav, Director of Atal Innovation Mission.

Team Members: Arjunveer Singh (9A), Savri Gupta (10B), Abhinav Sharma (10B), Ayush (10A), Paras Gupta (10A), Hitesh Mehra (10B).

Mentor: Mrs. Sarojni Pandita



4. ATL Community Day 2024

Interaction between Air Force School Jammu and International Daily Rising School. Students exchanged ideas and showcased projects. Our school organised an ATL exhibition on the occasion as well



5. National Technology Day – IIIM Jammu

Our students participated in the Exhibition with two projects. Bhu Jal Nirdharak was appreciated by Dr. Zabeer Ahmed and featured in major news publications.

CSIR-IIIM celebrates National Technology Day

■ STATE TIMES NEWS

JAMMU: CSIR-Indian Institute of Integrative Medicine (IIIM) Jammu marked National Technology Day to commemorate the successful nuclear test conducted in 1998 and to celebrate significant achievements in innovation, technology, and scientific advancement.

The institute organized a day-long event, featuring an open day that witnessed a remarkable convergence of academic institutions.

More than 500 students from various schools, colleges, and universities had the opportunity to tour IIIM's research divisions and facilities, engaging with scientists, technologists, and young researchers to explore cutting-edge R&D activities.

A spokesperson detailed that a science models exhibition was a highlight of the event, showcasing models created by students from institutions like Jammu University, SKUAST, Government College of Engineering & Technology,



Director, CSIR-IIIM, Jammu interacting with students during National Technology Day Celebrations at Jammu on Saturday.

and others.

RRL High School showcased projects elucidating the structure of Thermal Energy Generators within animal cells and elucidated the intricacies of thermal energy generation and different types of motion, Army Public School Jammu Cantonment demonstrated a diverse range of projects including 'Jarvis' an AI voice assistant for Atal Tinkering Labs & Fluid Flow Profiling, Army Public School, Akhnoor, exhibited

the models on IR Sensor Glasses for Obstacle Detection, Army Public School, Damana, exhibited a model on connection & communication systems, Army Public School, Miran Sahib, exhibited models on innovative solutions like Automatic Fire Extinguishers and Ultrasonic Radars, PM Shri Kendriya Vidyalaya Hiranagar made an impressive model such as Digital Attendance Registers, Automatic Cloth Collectors, PM Shri Kendriya

Vidyalaya, GC CRPF Bantalab, displayed models on Rice Crop Disease Detection Systems, and Automatic Cloth Protection from Rain, Air Force Schools contributed to the exhibition with innovative startups like 'Bhujal Nirdharak', 'ReKindle HOPE', and a License Scanner, demonstrating their commitment to technological innovation and Bhartiya Vidya Mandir High School, Hiranagar, displayed projects focusing

on Smart Bridge for Flood Protection and Automatic Zebra Crossing Protection, showcasing solutions to real-world challenges.

Dr. Zabeer Ahmed, Director of CSIR-IIIM, Jammu, commended the students for their innovative models, felicitating them with mementos and certificates of appreciation. He praised the institutions for nurturing young minds and fostering a culture of innovation.

The National Technology Day celebration served as a platform to recognize and encourage the next generation of scientists and technologists.

Prominent present at the event included Er. Abdul Rahim, Chief Scientist, Dr. Asha Chaubey, Dr. Dhiraj Vyas, Dr. Sumit Gandhi, Dr. Deepika Singh, Dr. Naveed Ahmed Qazi (All HoDs), Dr. Shashank Singh, Dr. Tasduq Abdullah, Dr. Saurabh Saran (all scientists), and Dr. Kancherla Prasad, coordinator of the event.

6. ATL Marathon 2023–24

Appreciation Certificate awarded by AIM, NITI Aayog for submitting 28 project ideas in ATL Marathon 2024.



7. Independence Day Parade – National Honour

Our ATL team, was invited by AIM NITI AYOOG ,Bhu Jal Nirdharak team members represented the school as special guests in Delhi.

Participants: Arjunveer Singh (9A), Abhinav Sharma (10B), Paras Gupta (10A).



8. Youth Ideathon 2024 – IIT Delhi

Top 100 national finalists.

Team: Savri Gupta (10B), Abhinav Sharma (10B), Arjunveer Singh (9A), Paras Gupta (10A).

Junior Team: Vidhan Sharma (7A) – Top 1500 teams.



9. India's 8th Water Week – Ministry of Jal Shakti

Participants: Savri Gupta and Arjunveer Singh presented their work at Pragati Maidan, Delhi, and interacted with global diplomats and scientists.



10. Winner – Uday Startup Stage Investment Program

Arjunveer Singh (9A) received a ₹51,000 cash prize, awarded by Dr. Rajeev Rai Bhatnagar, Advisor to Lt. Governor of J&K and Dr. Jitendra Singh.



11. ATL Tinkerpreneur 2024

Arjunveer Singh selected among Top 100 nationally for his app, ReKindle Hope. Mentorship by Indian School of Business, Hyderabad.

12. Kreativivity League 2024 – IIT Delhi

Four teams reached the national finale.

STEMpreneur Teams:

- AFS Innovators: Savri Gupta, Abhinav Sharma, Arjunveer Singh
- The Life Savers: Aryan Sharma, Stuti Raina, Yashita

RoboQuest Teams:

- Robo Champions: Shaurya Dev, Shaurya Singh, Sanvi Bhogal
- Roboguides: Shonav Pandit, Saksham Panigotra, Simarjot Singh Bali



13. CBSE National Science Model Exhibition 2024

Selected for the national round in New Delhi.

14. National Innovation Festival 2025 – Jammu

Bhu Jal Nirdharak showcased in presence of Union Minister Dr. Jitendra Singh, who praised the students' innovation.





Conclusion

ATL at Air Force School Jammu has set a benchmark in nurturing young minds. With strong mentorship and boundless student creativity, the lab continues to bring national pride and recognition to the school.

Some Important Links:

1. <https://www.facebook.com/share/v/19pjUqY6r7/?mibextid=wwXlfr>
2. <https://youtu.be/Us-5j6FmxFU?si=TtG0tzcnRSE7wyrM>

SPORTS ACHIEVEMENT

1. Kapish Bharat Rakwal of class 11 participated in X Anniversary International Wushu Tournament held at Moscow in May 2025. Giving a phenomenal performance, he made Air Force School Jammu proud by winning a Gold Medal in the event.



2. Manya Rakwal of class 12 created history by becoming J & K's first ever weightlifter to win a bronze medal in the 68th National School Games U-19 Girls Weightlifting Championship held at New Delhi. She competed in +87 kg weight category and clinched the historic medal with her remarkable performance.

