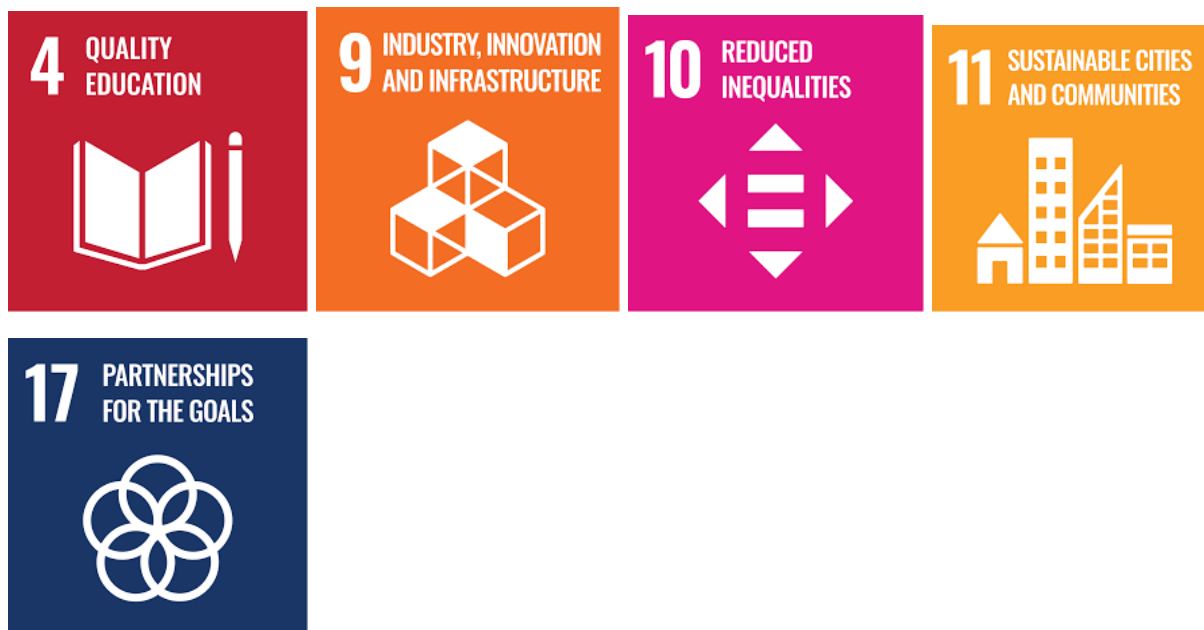


1/11/2024



Amrita Vishwa Vidyapeetham's Community Outreach Program: ATL Sarthi for the District of Coimbatore

Atal Innovation Mission (AIM), NITI Aayog, selected Amrita Vishwa Vidyapeetham as the nodal agency to implement the Atal Tinkering Labs (ATL) Sarthi cluster program for the district of Coimbatore in **August 2023**. Throughout **2024**, the Institution's Innovation Council (IIC) and Office of Students' Affairs (OSA) at Amrita Coimbatore campus successfully implemented this transformative community outreach program by organizing innovation bootcamps, STEM exhibitions, artificial intelligence awareness sessions, hands-on workshops, comprehensive teacher training programs, mentorship for regulatory compliance, and structured school visits benefiting **67 schools with ATLs across Coimbatore district**.

Schools actively mentored and visited during 2024 include Yuvabharathi Public School, Evangeline Matriculation School, Dr. PGV Matric Higher Secondary School, Rathinam

International Public School, Stanes Anglo Indian Higher Secondary School, and many others across urban and rural areas of the district.

About AIM and ATL Sarthi

AIM is the Government of India's flagship initiative to promote a culture of innovation and entrepreneurship throughout the country. The ATL Sarthi initiative aims to establish a self-sustainable cluster model for the enablement, monitoring, and continuous improvement of **10,000+ ATLs** set up by AIM at schools across **700+ districts** nationwide, leveraging support from universities, colleges, industry partners, startups, and NGOs.

Key Activities Implemented in 2024

Innovation Bootcamps & Hackathons: Students from participating schools engaged in problem-solving challenges focusing on sustainable development, smart cities, and healthcare innovation.

STEM Project Exhibitions: Schools showcased student-built prototypes including robotics projects, IoT-based environmental monitoring systems, and renewable energy models.

AI & Cyber Security Awareness Programs: Expert-led sessions educated students and teachers on emerging technologies, digital safety, and ethical use of artificial intelligence.

Teacher Training Workshops: Comprehensive capacity-building programs equipped educators with modern pedagogical tools, project-based learning methodologies, and hands-on training in ATL equipment usage.

Compliance & Mentorship Support: Regular guidance sessions helped schools meet AIM reporting requirements, optimize lab utilization, and align activities with national innovation goals.

School Visits & Mentoring: Faculty and student volunteers conducted structured visits to assess ATL infrastructure, provide on-site troubleshooting, and inspire students through interactive demonstrations.

Program Reporting and Recognition

On **15 December 2024**, ATL Sarthi nodal officer **Dr. Prashant R. Nair**, IIC & IQAC Head at Amrita Vishwa Vidyapeetham, presented the comprehensive annual report for **2023-24** to **Mr. Shubham Gupta**, Innovation Lead at AIM, NITI Aayog, New Delhi. The report detailed program achievements, school engagement metrics, student participation data, and recommendations for scaling the initiative. This report was also shared with the **Coimbatore District Collectorate** and education department officials for coordination and continued support.

Faculty and Team Contributions

The success of the ATL Sarthi program was driven by dedicated faculty members including:

- **Dr. S. Balamurugan**, Chairperson, Department of Electrical and Electronics Engineering
- **Dr. Adarsh S.**, Professor of Students' Welfare
- **Mr. Krishnan R.**, Head, Amrita Center for Entrepreneurship (ACE)
- **Mr. Ramaguru Radhakrishnan**, Assistant Professor, Cyber Security
- Student volunteers from IIC and various engineering departments

Impact and Future Vision

Through the ATL Sarthi program in 2024, Amrita Vishwa Vidyapeetham strengthened the innovation ecosystem in Coimbatore district by:

- Empowering over 10,000 school students with hands-on STEM learning experiences
- Training 500+ teachers in modern innovation pedagogy
- Facilitating 200+ school visits and mentoring sessions
- Building sustainable partnerships between schools, academia, and industry

The program exemplifies Amrita's commitment to community engagement, educational equity, and fostering the next generation of innovators and problem-solvers across India.

