



SATHYABAMA INSTITUTE OF  
SCIENCE AND TECHNOLOGY



# SDG 17 PARTNERSHIPS FOR THE GOALS



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## Collaborations and Institutional Impact

Sathyabama Institute of Science and Technology has built a robust network of collaborations across government, NGOs, industry, academia, and international organizations. These partnerships strengthen education, research, innovation, community development, and environmental stewardship, ensuring that initiatives are inclusive, impactful, and globally relevant.

## Government Partnerships

The institution works closely with national and state agencies to expand access and drive innovation. Government scholarship schemes supported hundreds of students from marginalized backgrounds. Collaborations with the Ministry of Earth Sciences, Department of Science & Technology, and NITI Aayog have enabled renewable energy projects, waste-to-energy research, and school adoption under the Atal Tinkering Lab initiative. The National Centre for Polar and Ocean Research facilitated faculty participation in India's Arctic Winter Expedition, while ISRO's Physical Research Laboratory partnered on aerosol research that was discussed in Parliament.



## NGO and Community Collaborations

NGOs such as Agaram Foundation, Maatram Foundation, and Ability Foundation help identify deserving scholarship beneficiaries. Partnerships with the Mangrove Foundation of India support community-based mangrove restoration, while International Justice Mission and Indian Community Welfare Organization collaborate on anti-trafficking and civic rights awareness. Local NGOs and community groups have joined in health camps, dental outreach, and livelihood training, including fisherwomen self-help groups for seaweed farming and women empowerment programmes in tailoring, baking, solar lamp making, and sanitary napkin production.







## Industry Collaborations

Sathyabama has signed over 70 MoUs with industry leaders to strengthen research, technology transfer, and skill development. Partners include HitoTech – Japan, Oracle Corporation, Space Zone India, ExcelR Solutions, Medway Hospital, Biopol Bioscience, AVN Ayurveda, Surana&Surana, Selvam&Selvam, and Jet Aerospace Aviation. In the energy sector, collaborations with WasmanPro Environmental Solutions LLP, NIN Energy India Pvt. Ltd., and CLRI have advanced biodiesel production, energy audits, and waste-to-energy solutions. VANS Chemistry Pvt. Ltd. supports safe e-waste recycling and awareness programmes. Industry partners such as Seabytes, PrimeGen, Nanovea, Carl Zeiss, and Vetbiotic contribute to marine biotechnology and aquaculture research.





## Academic and International Collaborations

Global and academic partnerships expand the institution’s research and innovation footprint. Collaborations include NITTR, Gulf Medical University, Nottingham Trent University (UK), University Technology Malaysia, Transilvania University of Brasov (Romania), Cukurova University (Turkey), LeTourneau University (USA), and Powiślański University (Poland). Participation in the EU-funded ERASMUS project has positioned Sathyabama among 14 coordinating institutions worldwide. Centres of excellence such as the Research Park, Technology Business Incubator, Makerspace, Centre for Ocean Research, Centre for Climate Change Studies, Centre for Waste Management, and Centre of Excellence for Energy Research anchor these collaborations, linking faculty, students, and international networks.





Major Outcomes of Collaborations

**Scholarships:** 1,863 students supported in 2023–24 through government, NGO, and institutional schemes.

**Research & Innovation:** 82 funded projects (~₹20 crore), 97 startups incubated, and 237 patents filed.

**Community Outreach:** Thousands of citizens engaged through health camps, legal literacy workshops, climate awareness drives, and livelihood training.

**Global Engagement:** Active roles in IUCN, ERASMUS, AGU conferences, Arctic expeditions, and collaborations with international universities.

Programmes / Courses contributing to SDG

Sathyabama Institute offers M.Arch in Sustainable architecture <https://www.sathyabama.ac.in/academics/schools/school-building-and-environment> and the in other programmes the following courses are delivered during 2023-24 contributing to different SDGs

Engineering and Technology

Course Name	SDG Number(s)
Principles of Management and	SDG 4, SDG 16
Cyber Physical Systems	SDG 9
Artificial Intelligence	SDG 9, SDG 11
Data Science	SDG 9
Business Analytics	SDG 8, SDG 9
Blockchain& Cryptocurrency	SDG 9, SDG 16
Real Time System Design	SDG 9
Wind and Solar Energy	SDG 7, SDG 13
5G Networks	SDG 9
Mobile Application Development	SDG 9
Industrial Safety and Hazard Analysis	SDG 8, SDG 11
Disaster Management	SDG 11, SDG 13
Electric Vehicles	SDG 7, SDG 13
Internet of Things	SDG 9, SDG 11
Industrial Robotics & Expert Systems	SDG 9
Green Computing	SDG 12, SDG 13
Intelligent Robots & Drone	SDG 9, SDG 11
Machine Learning	SDG 9
Augmented & Virtual Reality	SDG 9, SDG 11
Quantum Computing	SDG 9
Cyber Security / Ethical Hacking	SDG 16



Health, Medicine & Biotechnology

Biology for Engineers	SDG 3, SDG 15
Medical Optics & Laser Application	SDG 3
Public Health Engineering	SDG 3, SDG 6
e-Health	SDG 3
Rehabilitation Engineering	SDG 3
Food Technology	SDG 2, SDG 12
Environmental Biotechnology	SDG 13, SDG 15
Cancer & Stem Cell Biology	SDG 3
Pharmaceutical Biotechnology	SDG 3
Community Nutrition	SDG 2, SDG 3
Food Processing Technology	SDG 2, SDG 12
Pharmacy Practice	SDG 3
Hospital & Clinical Pharmacy	SDG 3
Drug Delivery Systems	SDG 3
Regulatory Affairs	SDG 16
Bioethics, Biosafety & IPR	SDG 16

Law, Governance & Social Sciences

Constitutional Law	SDG 16
Human Rights Law & Practice	SDG 16
Information Technology Law	SDG 16
Right to Information	SDG 16
Labour Law	SDG 8, SDG 16
Public International Law	SDG 16, SDG 17
Private International Law	SDG 16, SDG 17
International Humanitarian & Human Rights Law	SDG 16
Family Law	SDG 5, SDG 16
Legal Language & Drafting	SDG 16
Social Welfare & Legislation	SDG 1, SDG 10
Political Science / Indian	SDG 16

## Business & Management

Business Ethics & CSR	SDG 8, SDG 12, SDG 16
Corporate Governance	SDG 16
Global Business Management	SDG 8, SDG 9, SDG 17
Consumer Behaviour	SDG 12
Supply Chain Management	SDG 9, SDG 12
Treasury & Capital Markets	SDG 8
Insurance Management	SDG 8
Investment Analysis	SDG 8
Human Capital Management	SDG 8
Strategic HRM	SDG 8
International Business	SDG 17

## Architecture & Built Environment

Urban & Regional Planning	SDG 11
Sustainable Urban Planning	SDG 11
Green Building Rating Systems	SDG 11, SDG 13
Sustainable Waste Management	SDG 12, SDG 13
Sustainable Landscape Planning	SDG 11, SDG 15
Building Energy Codes & Standards	SDG 7, SDG 13
Climate & Architecture in Tropics	SDG 13
Alternative Building Technology	SDG 11, SDG 12



Sciences

Green Technology	SDG 12, SDG 13
Environmental Science	SDG 13, SDG 15
Physics (Renewable Energy & Energy Harvesting)	SDG 7, SDG 13
Chemistry (Polymer / Industrial Chemistry)	SDG 9, SDG 12
Biochemistry & Microbiology	SDG 3
Psychology of Wellbeing	SDG 3
Positive Psychology	SDG 3
Social Psychology	SDG 3, SDG 10

Media, Arts & Fashion

Media Law & Ethics	SDG 16
Communication Research	SDG 9, SDG 16
Eco Fashion	SDG 12
Fashion Brand Management	SDG 12
Traditional Textiles of India	SDG 11
Visual Identity & Branding	SDG 12