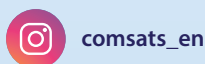




Commission on Science and Technology
for Sustainable Development in the South

Empowering Global South with Science & Technology

COMSATS Member States



Introduction: Commission on Science and Technology for Sustainable Development in the South (COMSATS) is an Intergovernmental Organization (IGO), established in 1994.

Tribute: Nobel Laureate, Prof. Dr. Abdus Salam, a world-renowned Pakistani Scientist and Theoretical Physicist, conceived the idea of COMSATS, aimed at bridging the widening gap in scientific knowledge and technology domains between Global South and Global North.



COMSATS Membership comprises 13 countries from Asia, 12 from Africa and two from Latin America.

Organizational Structure: The functioning of COMSATS is mainly governed by the statutory bodies, viz. General Meeting, the Consultative Committee, the Network of International S&T Centres of Excellence, and the Secretariat.

- **General Meeting:** Comprises Heads of State/Government. **Current Chair:** President of Republic of Ghana.
- **Consultative Committee:** Ministerial Body representing focal ministries.
- **COMSATS Network:** Consists of Coordinating Council comprising Heads of 25 Centres of Excellence.
- **Technical Advisory Committee:** 10 Member body of scientific experts.
- **Secretariat:** Location Islamabad, Pakistan. Headed by Executive Director.

Mission: Promote sustainable development through science and technology, provide technology solutions to the problems faced by the Member States. .

Centers of Excellence (CoEs): COMSATS derives its strength from its 25 S&T CoEs. CoEs fall in clusters categorized in Nine (09) Scientific Domains, Biotechnology; Food Technology/Agriculture; Health/Medical Sciences; Information and Communication Technologies; Clean Energy; Climate Change/Environment; Nanotechnology; Water Research; and Materials Sciences. These clusters facilitate collaborative research, innovation, and capacity building among member countries.

COMSATS Centres of Excellence



Alignment with SDGs: COMSATS' priorities and activities are closely aligned with United Nations Sustainable Development Goals (UN SDGs), particularly to promote science, technology, and innovation for inclusive and sustainable development.

Major Achievements

- COMSATS's Technology Partner, AGECO (ECONOMIA), indigenously designed and developed Electric Vehicle (EV) technology, successfully, to address environmental pollution and promote sustainable urban transport solution across member states. All designs are Patented by IPO, Pakistan, technical specifications and quality have been duly certified by PSQCA and NSC. All products are WP-29 International Road Safety Standards compliant. With the EV technology comes battery technology handy.



Design and Patent Rights EBike



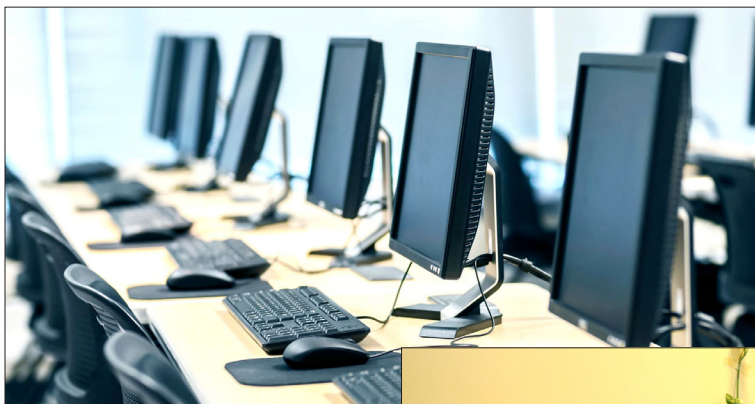
First Solar cart was designed & got IPO Registered. Approval fom PSQCA for Manufacturing Standards & Road Safety Standards as per WP-29 Protocols. Approval from NSC.

- COMSATS established Nanotechnology Laboratory to promote scientific research and innovation in materials science, biotechnology, and medical diagnostics. SEM helps in many Real-Life Applications:

- Medicine: Studying bacteria or viruses
- Helps fight diseases
- Technology: Improving computer chips and phone screens.
- Forensics: Analyzing crime scene evidence like hair or fibers.
- Nature: Exploring insect wings or plant structures.



- COMSATS is launching a dedicated Artificial Intelligence (AI) institute aimed at building capacity and driving innovation to facilitate AI-based solutions for challenges being faced by Global South.
- COMSATS introduced flagship initiative of Telehealth to expand access to essential medical services for underserved populations in rural and remote areas by optimizing digital health technologies.
- COMSATS developed **ComSoft** ERP + Campus Management System (CMS) for streamlining organizational operations and automating academic management in universities.
- COMSATS introduced the ComSoft Hospital Management Information System (HMIS), designed to improve efficiency in healthcare institutions.



COMSATS AI/IT Lab joint venture
with Dutch Company SeQuenX



5th Commonwealth Digital Health Awards



- COMSATS implemented the Proxmox Virtual Environment (PVE) at its Data Centre to strengthen cybersecurity and scalability to support future growth in cloud services.
- COMSATS holds Governing Board membership of ANSO and observer status with UNFCCC to actively contribute to global climate discourse through participation in high-level events of UN.

COMSATS Centre for Climate & Sustainability (CCCS)

- COMSATS launched Centre for Climate and Sustainability (CCCS) in August 2018 to promote climate action, resilience, and sustainability across the Global South.
- CCCS hosted over 65 climate-focused events including organized high-impact capacity-building workshops, webinars, and policy dialogues to address climate change, adaptation strategies, and sustainable technologies.
- CCCS played substantial role to secure observer status of UNFCCC.
- CCCS regularly hold bilateral meetings with UN agencies and global climate leaders to strengthen cooperation on climate innovation.
- CCCS has rapidly expanded its reach, now comprising 24 affiliated institutions actively engaged in climate action, research, and capacity building.
- In addition to its institutional network, CCCS has established strategic partnerships with leading international organizations and academic institutions, including UN system bodies such as the UN Office for South-South Cooperation, UNESCAP, and the World Bank; Commonwealth entities like the Commonwealth Secretariat.