



Evidence(s)

THE-Impact Ranking



HEI: TRIDENT ACADEMY OF TECHNOLOGY

COUNTRY: INDIA

WEBSITE: <https://tat.ac.in/activities/>

SDG 17: Partnership for the Goals

17.2.4: Relationships to support the goals

Trident Academy of Technology's collaboration with EPFL (École Polytechnique Fédérale de Lausanne) on sustainability underscores a shared commitment to advancing eco-friendly practices, research, and education. This partnership focuses on knowledge exchange and innovative solutions to tackle environmental challenges, aligning with global sustainability goals. Through joint research projects, student exchange programs, and collaborative workshops, Trident and EPFL aim to promote sustainable technologies and practices in areas such as renewable energy, resource management, and sustainable infrastructure.

Our chief mentor recently visited EPFL (École Polytechnique Fédérale de Lausanne) to establish a collaboration focused on sustainability. This strategic partnership with EPFL, a leading research institution, aims to enhance Trident's sustainability initiatives, enriching its academic and research capabilities in alignment with global sustainability practices. This tie-up will provide students and faculty with unique opportunities for research exchange, innovation projects, and knowledge sharing, reinforcing Trident's commitment to sustainable development and the SDGs.

EPFL



Trident Academy of Technology actively collaborates with the United Nations Sustainable Development Goals (SDGs) and the Sustainable Development Solutions Network (SDSN) to promote global sustainability initiatives. Through partnerships and participation in SDSN's educational and research programs, Trident aligns its academic and community projects with the SDGs, aiming to contribute to solving global challenges. The college engages students and faculty in research,



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innovation, and awareness programs that support SDG implementation, ensuring that sustainability becomes an integral part of its curriculum, campus operations, and outreach activities. Trident's



involvement in these global networks enables it to access knowledge, collaborate with international experts, and share local solutions to help achieve the SDGs.

Trident Academy of Technology is collaborating with the **Indian Meteorological Department (IMD)** on climate-related initiatives to contribute to climate research and awareness. Through this partnership, Trident engages in projects focused on understanding climate patterns, monitoring we



weather changes, and implementing climate adaptation strategies. Students and faculty members have the opportunity to access data, research insights, and training from IMD, enhancing their knowledge of climate science.



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The certifications obtained from World's Top Universities pertaining to sustainability and decarbonization in energy and several other aspects rating to the SDGs are well-reflected in the extensive courses undertaken by Dr. B.B Panigrahi and as the Chief Mentor of the institution, he has been implementing the take-aways from these courses in Trident Academy of Technology.

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One of the most important aspects of futuristic energy management is attainment of energy efficiency in all gadgets and applications. Reduction in use of carbonized energy (Scope-2 emission) needs campaigns, formal technologies, and redesigning gadgets, equipment's and machines. In line with certain top energy management courses of the world (Including the pre-court center in Stanford Universities, IIT Bombay, IIT Delhi. TAT has developed a dedicated energy efficiency and management laboratory, both for student sensitization and outcome based research, thereby contributing to the SDG-7,SDG 6, SDG-13 and SDG-17.