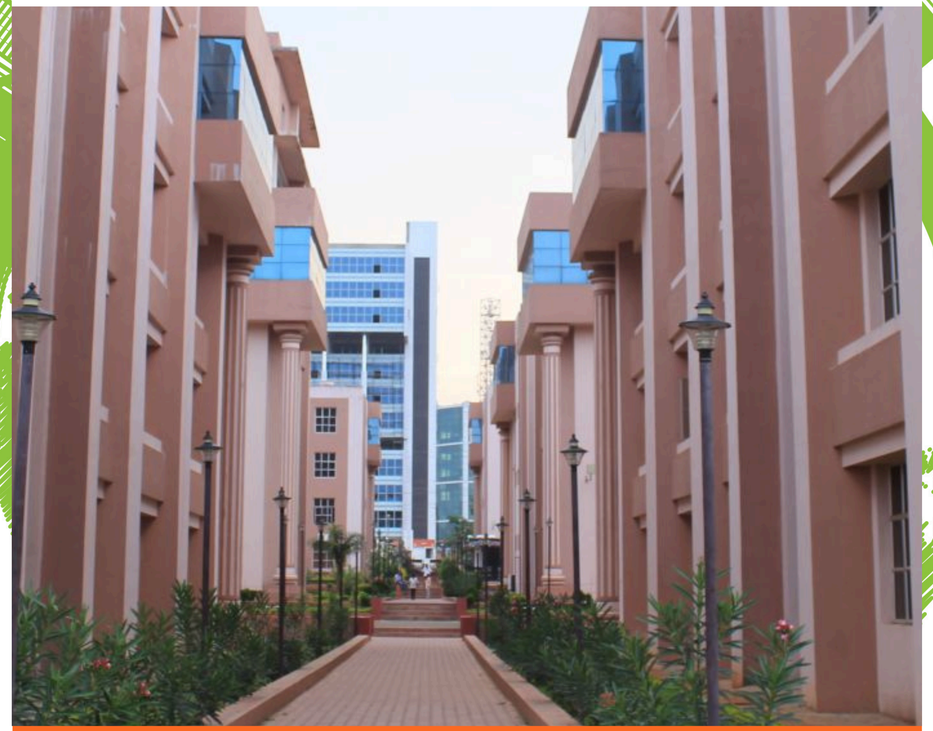
SUSTAINABLE DEVELOPMENT GOALS



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

Progress Report 2024-2025

Trident Academy of Technology

Industry, Innovation and Infrastructure

Institution's Innovation Council (IIC)
Trident Academy of Technology has established an Institution's Innovation Council (IIC) under the Ministry of Education's Innovation Cell (MIC) to foster innovation, entrepreneurship, and sustainability. The council promotes ideation, design thinking, and incubation through workshops, hackathons, and proof-of-concept sessions. It engages faculty and students in activities that align with the Sustainable Development Goals (SDGs), encouraging a culture of creativity, problem-solving, and startup development.

Innovation Leadership and Coordination
The TAT-IIC is led by Principal Deba Narayan Pattanayak as President, supported by senior faculty including Dr.Sakuntala Mohapatra (Dean, School of Engineering) and Dr. Manas Ranjan Chowdhury (Convener). Special coordinators manage innovation, internship, startup, and IPR activities, ensuring smooth implementation of initiatives and strong industry-academia collaboration.

Patents Filed by Faculty Members
Trident faculty have demonstrated a robust research and innovation culture with over 25 patents filed across multidisciplinary domains such as IoT, machine learning, neural networks, fuzzy logic, biomedical systems, and renewable energy. Notable inventions include IoT-based smart devices, intelligent fault prediction in wind turbines, and AI-driven disaster communication systems. These patents highlight the institution's technical strength and contribution to applied research.

Student Startups and Entrepreneurial Ventures
The institution's entrepreneurial ecosystem has nurtured multiple startups across diverse domains. Key ventures include: - Bring My Food - an online food delivery service in Bhubaneswar. - Tetratrion Technologies - providing AI, ML, and data analytics solutions. - BCure - offering personalized healthcare services through Brundaban Health Hub Pvt Ltd.- Desitech Tirustore - a tech-based e-commerce firm for mobile accessories. - Agrodyaan Pvt Ltd - focusing on mushroom seed production and value addition. These startups showcase Trident's commitment to promoting self-reliance and industry-oriented innovation.

Infrastructure and Industry Collaboration
The IIC actively collaborates with industries to organize innovation conclaves, entrepreneurship bootcamps, and intellectual property rights (IPR) workshops. Such initiatives strengthen students' exposure to industrial challenges and facilitate skill development for sustainable innovation and economic growth.