

Collaboration with communities to sustain shared ecosystems

The university collaborated with the local community by expanding successful partnership models to more villages and stakeholders, the impact grows spurring broader environmental benefits alongside community upliftment. Essentially, the collaboration between Centurion University and local villages embodies a constructive, sustainable approach to shared land-use and ecosystem stewardship.



Figure 1: Cleaning of school campus by the university



Figure 2 Plantation drive by university in nearby villages

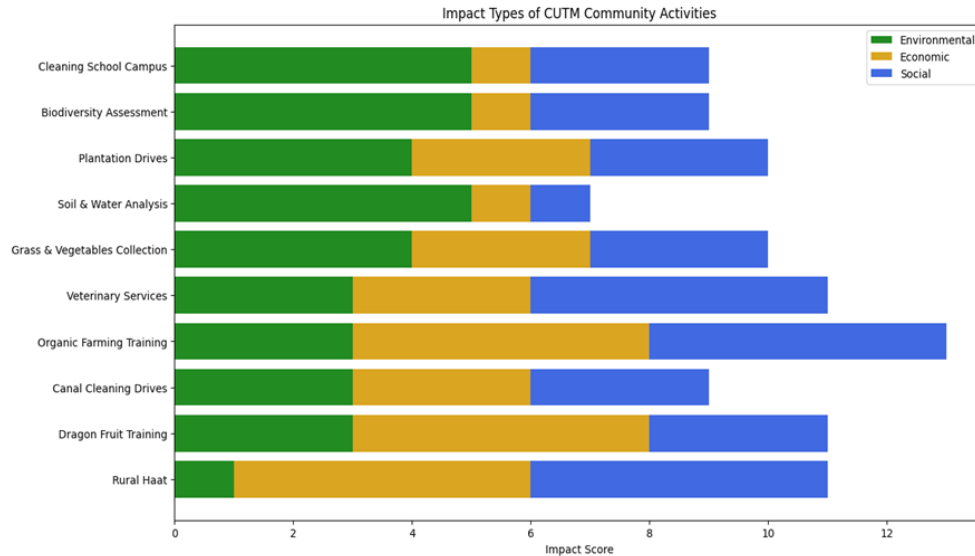
Table 1: Community collaboration and environmental efforts by university

Activity/Program	Description	Stakeholders Involved	Frequency/Scale
Cleaning of School Campus	University-led cleaning drives on school campuses	Centurion University students, staff, local schools	Periodic/Regular
Biodiversity Assessment	Documenting biodiversity on campus and nearby areas	University researchers, students	Ongoing

Plantation Drives	Mega plantation campaigns by NSS unit in campus and nearby villages	NSS students, local community	Annual/Seasonal
Soil and Water Sample Analysis	Collection and testing for contamination, land degradation	University labs, local community	Regular/Project-based
Grass & Leafy Vegetables Collection	Supporting SDG15 by conserving native grasses and promoting seed banks	Local villagers, women groups	Ongoing
Veterinary Clinical Services (VCC)	Animal healthcare services including curative, diagnostic, possibly vaccination	Centurion University Veterinary School, farmers	Daily/Regular
Organic Farming Training & Kisan Mela	Training farmers on organic and sustainable agriculture, soil nutrient analysis	Centurion University Agriculture School, farmers	Annual/Periodic
Canal Cleaning Drives	Collaboration to clean irrigation canals	Centurion University faculty, students, farmers	Seasonal/Regular
Dragon Fruit Cultivation Training	Training local farmers in dragon fruit as high-value crop	Centurion University, local farmers, youth	Project-based/Training sessions
Rural Haat	Market event showcasing local products and crafts	Students, local artisans, farmers	Periodic/Annual

Table 2: Frequency of activity by the university per year

Activity	Frequency/Scale (Score out of 5)
Cleaning of School Campus	4 (Regular/Periodic)
Biodiversity Assessment	5 (Ongoing)
Plantation Drives	4 (Annual/Seasonal)
Soil & Water Analysis	3 (Project-based/Regular)
Grass & Vegetables Collection	4 (Ongoing)
Veterinary Services	5 (Daily/Regular)
Organic Farming Training	4 (Annual/Periodic)
Canal Cleaning Drives	3 (Seasonal/Regular)
Dragon Fruit Training	3 (Project-based)
Rural Haat	3 (Periodic/Annual)



Soil and Water Samples: Collecting and analysing soil and water samples to assess land degradation, contamination, and quality. Biodiversity Surveys: Conducting surveys to monitor local flora and fauna, assessing species diversity and population health. Vegetation Studies: Gathering data on plant species, growth patterns, and ecosystem dynamics.



Figure 3: Soil sample collection and analysis

Collection of grasses and leafy vegetables: Grass collection plays a vital role in achieving Sustainable Development Goal 15 (Life on Land) by supporting grassland restoration, preserving biodiversity, and enhancing ecosystem resilience. Efforts such as establishing grass seed banks—community-managed areas protected from grazing—are instrumental in restoring degraded landscapes. These seed banks not only conserve native grass species but also provide economic opportunities for local communities, particularly women, through the sale of harvested seeds .



Figure 4: Shows the grass and leafy vegetables collection by nearby villagers

Centurion University is committed to supporting the health and well-being of nearby communities through its Veterinary Clinical Complex (VCC). Under the School of Veterinary and Animal Sciences, the VCC offers comprehensive veterinary services, including medical, surgical, and diagnostic care for animals.



Figure 5: Glimpses of Vaccination programs conducted

University actively engages with local farmers through comprehensive training and awareness programs focused on organic farming and sustainable agricultural practices. It also supports local farmers by providing soil nutrient analysis and promoting soil health awareness. Through collaborations with agricultural experts and organizations, Centurion University offers training programs that educate farmers on the importance of soil testing and the judicious use of fertilizers.



Figure 6: Glimpses of student demonstrate the organic nutrients to local farmers



Figure 7: Cleaning of canal for irrigation



Figure 8: Training on Dragon Fruit



Figure 9: Glimpses of Rural Haat in Campus

As part of experiential learning and rural entrepreneurship promotion, students organized a Rural Haat on campus, showcasing locally sourced products, traditional crafts, organic produce, and handmade goods.