

CENTURION UNIVERSITY



GLOBAL GOALS, LOCAL ACTIONS

SUSTAINABILITY REPORT
2024




















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With Deep Gratitude to Our Partners

Centurion University extends its heartfelt thanks to Ms. Jen Dollin, Director of Sustainability Education and Partnerships at Western Sydney University, currently ranked #1 in the Times Higher Education Impact Rankings, for her invaluable mentorship and guidance in advancing our SDG initiatives. The University's support has been instrumental in shaping our approach to sustainable development and aligning our educational, social and community goals with the United Nations Sustainable Development Goals (SDGs).

We also express our sincere gratitude to Ms. Kim McDonnell, Founder and CEO, and Mr. Mike Chuter, Co-Founder and COO of the Thankful Foundation, Australia, for their continued support and encouragement in strengthening our sustainability vision and institutional strategies. The Foundation's insights have greatly contributed to enhancing our frameworks and deepening the impact of our sustainability initiatives

Foreword from the Vice-Chancellor

Centurion University of Technology and Management, Odisha, in its charter, aims to deliver skill-integrated higher education that empowers individuals and transforms communities, aligning with the Sustainable Development Goals. This Sustainability Report showcases our holistic commitment to fostering inclusive, hands-on, experiential learning environments that champion quality education, innovation, inclusivity and global impact. The University strives to create a world where every individual has access to an opportunity to thrive, and our efforts reflect this vision across every facet of our work.

Centurion University adopts a unique approach that blends practical, skill-based learning with academic excellence, equipping students to tackle global challenges. Through initiatives like Healthcare on Wheels (HCoW), vital health and vision care are delivered to remote communities, while promoting good health and well-being at their doorstep. In agriculture, the effort is to blend advanced agricultural technologies with traditional practices and engage with farmers, to promote sustainable agriculture, which prevents employment-seeking migration to cities, and supports life on land. To create measurable, sustainable change, Centurion champions innovation and engages closely with communities.

At Centurion University, we believe that strong partnerships are central to success, especially in sustainability promoting efforts. Collaborations are nurtured, through which we amplify our reach and deepen our impact. These partnerships navigate our efforts across a wide range of goals, from achieving zero hunger to promoting affordable clean energy, responsible consumption, recycling and minimising waste, and meaningful climate action.

We consider education as the foundation for transformative community change, striving to embed equality, environmental consciousness, and social responsibility into all that we do, in line with our guiding vision of Shaping Lives, Empowering Communities. This report reflects our shared journey toward a future rooted in sustainability, inclusion and global responsibility. To our passionate network of students, educators, collaborators and change-makers, we thank you for walking this path with us. Your dedication fuels our mission. We trust that together, we will continue to innovate, elevate and navigate progress toward a more just, inclusive and above all, sustainable world for all.



Prof. (Dr.) Supriya Pattanayak
Vice-Chancellor
Centurion University, Odisha

WE ARE CENTURIANS

OUR STUDENTS

Total	11571
Female	3241
Male	8330

OUR CAMPUS NETWORK

Paralakhemundi
Bhubaneswar
Bolangir
Rayagada
Balasore
Chhatrapur

Sustainability-Linked Foundation Courses

- Environmental Science
- Climate Change & Sustainable Development / Sustainability & Organisations
- Gender, Equity & Inclusive Society (sometimes titled Gender Studies / Gender & Society)
- Ethics & Human Values
- Human Rights and the Constitution of India
- Universal Human Values (UHV)
- Community Engagement / Social Service / NSS / Service-Learning
- Health, Hygiene & Well-Being
- Environmental, Social & Governance (ESG) Foundations (offered as elective)
- Indian Knowledge System (IKS) & Sustainable Living Practices
- Professional Ethics & Social Responsibility
- Peace Education / Conflict Resolution
- Disaster Management (basic)

Centurion at a Glimpse

- **6** Campuses in Odisha
- **150+** Skill Courses across 12 sectors
- **28** NCVET approved Qualification Pack
- **40** Outreach Centers in Remote Areas
- **8000K** Skilled Professional Trained and Placed
- **52+** Industry Sponsored Labs
- **2,000+** Teaching & Non-Teaching Staff
- **14** Focused SDGs
- **130+** Patents
- **20,000+** Students

Centurion University Shines in THE Impact Rankings 2025



Ranked 10th in India



#301 - 400 Band Globally



**Global Ranking
2025**



Our National Performance



#4th IN INDIA



#4th IN INDIA



#5th IN INDIA



#6th IN INDIA



#6th IN INDIA



#7th IN INDIA



#11th IN INDIA

Sustainability Dashboard - Our Progress

2024 Achievements

2030 Target



48%

Low income students receiving financial aid



Target 33%

Achieved



45%

of local food purchases for all campus canteens.



30% local food

Achieved



700

Health professionals graduated in Paramedical, clinical, Forensic, and Pharmacy.



Targeting 700 students

SDG 3



42%

of the 2024 admission students are the first generation students pursuing undergraduate courses on all the campuses.



Targeting 49.5%

SDG 4



41%

of female academic staff executive leaders.



Targeting 50% female in leadership roles

SDG 5



42%

of the total power consumption from solar and other renewal sources for all campuses(Scope 1)



Targeting 90% from renewable sources (Scope 1 to Scope 3)

SDG 7



130+

Related design and utility patents since 2018, based on live labs, production units, and Industry integrated labs.



Targeting 140 patents

SDG 9



#2600

Students received certificates from the National Institute of Open Schooling (NIOS), and received financial aid.



Targeting 3000 students

SDG 10



32

awareness events for plastic-free, paper waste, waste recycling, vertical gardening, micro forest, and water recycling were conducted across all the campuses.



Targeting 30 events p.a.

SDG 11



600+

Students trained on waste management



Targeting 700 students training per annum

SDG 12



52%

carbon neutrality achieved through biodiversity and clean energy transitions



Targeting 70% Scope-2 Carbon Neutrality

SDG 13



18 events

18 aquaculture outreach events conducted on aquaculture to assist local farmers



Targeting 25 events annually

SDG 14



68 hectares

of cultivated land dedicated for sustainable cultivation research, and Biodiversity-research for all campuses to achieve carbon neutral campus.



Targeting 200 hectares under biodiversity & sustainable farming

SDG 15



70+

11 Centres of Excellence, startups, and industry labs promoting sustainability skill integration and product development through national and international MoUs.



Targeting 100 startups and Industry-Sponsored Labs

SDG 17

SUSTAINABILITY Centurion CARES

OUR FRAMEWORK

Centurion CARES is committed to the UN SDGs 2030 agenda. The commitment to this emerges from the office of the President and it is evident across the management, faculty and non-teaching staff. Focusing on Community Engagements, Academics, Research and Entrepreneurship, we acknowledge the 17 Sustainable Development Goals in attaining the social Impact.

COMMUNITY ENGAGEMENT

OFFICE OF THE PRESIDENT

The University is committed to engaging with the community in every discipline.

Key Responsibilities

- CALP through Problem Solving
- Community Diagnostic Center and Diploma in Community Health Practice
- Health Camps through Health Care on Wheels (HCOW)
- Increase Supply of Qualified Manpower in Developing Countries and Crèche Facility
- Appropriate and Relevant Skills Training for Livelihood through Employment and Nano Entrepreneurship
- Industry and CSR connects for capacity building
- Capacity Building Training for different Stakeholder

ACADEMICS

OFFICE OF THE VC, DEAN (ACADEMICS) AND DIRECTOR QA

The University focuses on aligning its curricula and the entire academic process with the SDGs.

Key Responsibilities

- Courses for everyone with Multiple Entry and Multiple Exit – from school dropouts to PhD – integrated and inclusive approach (all levels working in the same labs)
- Scholarship, Safe and Secure residential facility on Campus
- Skills Integrated Higher Education and NSQF and NCrF compliance
- Contextualizing and Institutionalizing lab to land and land to lab

RESEARCH

OFFICE OF THE VC and PRO VC (RESEARCH AND QA)

The University continuously strives to align all R&D activities towards SDGs.

Key Responsibilities

- SDG-aligned patents on insulin pump, animal fatality prevention tech (railway tracks), seed production, and nutraceuticals
- Waste-to-wealth R&D on in-house STP, eco-building materials, sustainable product design, and new materials
- SDG awareness through Smart India Hackathon and World Skills events, building capacity for Skill Olympics
- Seed funding and sponsored research supporting sustainable innovation

ENTREPRENEURSHIP

OFFICE OF THE VC and PRO VC (RESEARCH AND QA)

- The University believes in the model of linking education to employability, employment, entrepreneurship and commercialisation. The outcome of the same manifested in productivity and positivity. It is inculcated in the academic rigour of the University.

Key Responsibilities

- Has five enterprises under the Umbrella Brand 'Gram Tarang' incubated by the University
- Focus is on patent ideas, concepts, New Product Development of Products and Commercialization
- In pursuit of cherishing Entrepreneur the University promotes and incubates nano, mini, micro enterprises
- Value addition to local produces - CO extraction, Mini Diary, Seed Production Unit and Transforming degraded landscape

SOCIAL IMPACT

A SHARED APPROACH

The University strives for and thrives on Social Impact in all what it designs and delivers.

Key Responsibilities

- Gender Equity is central to values of the University as apparent in its Leadership
- Extending skill and domain courses on online and offline mode to learners outside the University
- Waste to Wealth – Committed to Circular Economy (Reduce, Reuse, Recycle and Upcycle)
- Sustainably revitalizing soil, water and air (Vermicomposting, Food Waste to Manure and Native Plants)
- Circular Economy and Biochar initiatives
- Commercialization of patents / products for social impact
- Services through Drone technology (Example: Drone spraying insecticides on approx 50000 acres, health analysis of crops)
- Financial inclusion – opening of 17 million no-frill accounts
- Horizontal - Vertical linkage to and for tribal farmers for enhancing earnings.
- Inclusive ecosystem – women, differently abled, transgenders, socio-economically challenged segments, youth from Remote Rural Regional areas.
- Local and Global partnerships for SDG outcomes



SDG 1: No Poverty

Executive Summary

Centurion University CARES and is an educational pioneer deeply committed to poverty eradication. Through Community, Academic, Research, Entrepreneurship and Social Impact, we don't just advocate to eliminate poverty, we take action, developing programs and initiatives to break the generational cycle of poverty within families and communities.

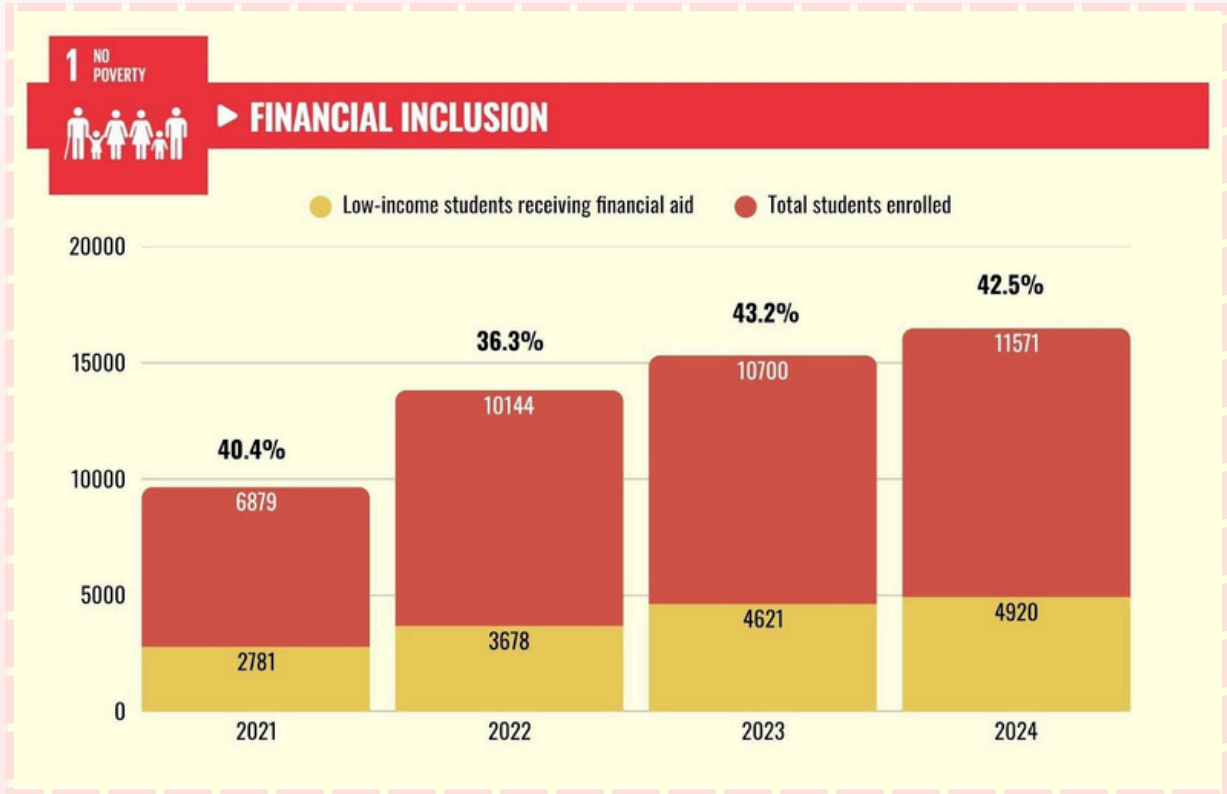
Since the inception of the University more than 8 lakhs students have been trained in various skill domains and in 2024, the University supported nearly 5000 students, from economically disadvantaged communities, offering scholarships and fee waivers, facilitated the creation of over 74 active start-ups that support not only individuals but their families and communities, provided ₹ 12 crore worth of financial assistance, and delivered skill-based livelihood training to more than 21,000 youth across rural Odisha and Andhra Pradesh.

These integrated initiatives link learning with earning, fostering future financial resilience among marginalized communities and contributing directly to the United Nations Sustainable Development Goals—particularly SDG 1 (No Poverty), SDG 4 (Quality Education), and SDG 8 (Decent Work and Economic Growth). Centurion University's multi-dimensional CARE approach connects learning with earning and is embedded into the DNA of Centurion, enabling inclusive, equitable growth in aspirational districts.

Impact Area	2024 Data
Scholarships & Fee Waivers	₹ 12 crore
Low-Income Students Supported	4,920 students
Livelihood & Skilling	21,000 youth trained
Start-ups Incubated	74 (40% women-led)
Farmers Trained	5,000
Community Health Beneficiaries	1,100

Scholarships and Financial Aid

To ensure equitable access to higher education, Centurion University implements merit-cum-means scholarships and financial aid programs for students from low-income backgrounds.



Key Insights

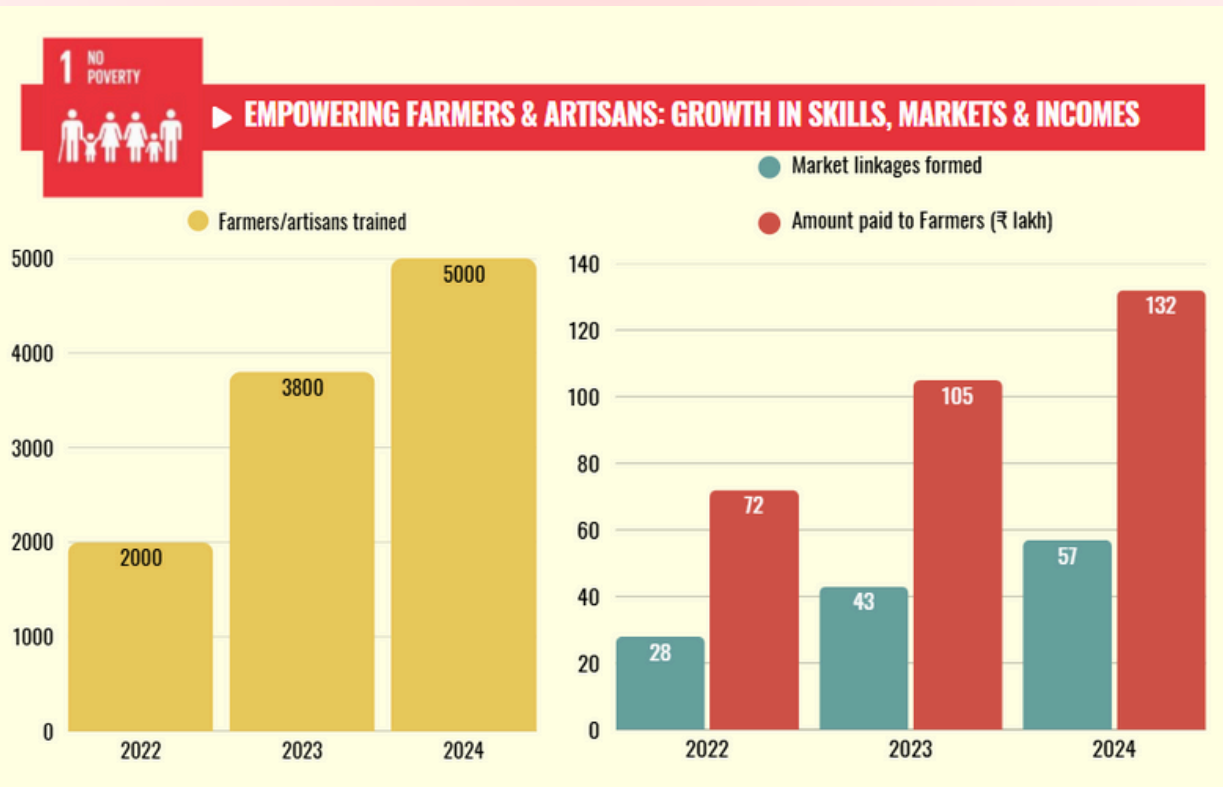
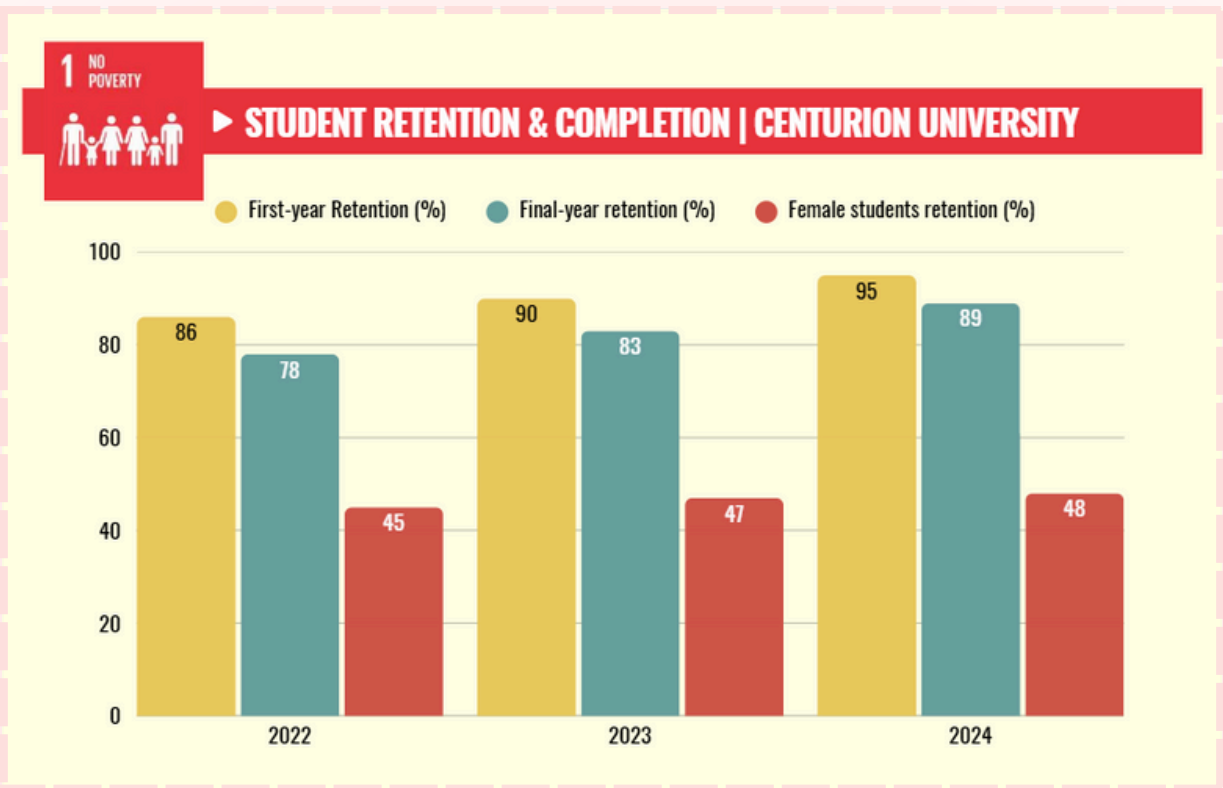
- 77% increase in financial aid beneficiaries (2021–2024).
- Dropout rate reduced from 14% to 5%, improving long-term employability.
- Female participation increased to 48% by 2024.

Entrepreneurship & Rural Empowerment: 2024 Highlights

- 74 start-ups incubated, generating ₹2.8 crore annual turnover.
- 5,000+ farmers trained via Utkal Krishi Mela and Agri-Clinic.
- 40% of start-ups are women-led enterprises.

International Collaborations (2024):

- Deakin University (Australia): Social innovation & joint publication.
- Gabon Govt. – Centurion University Agri-SEZ: Agro-skills & micro-enterprise model replicated.
- SAARC Network: Policy exchange on rural livelihoods.








1 NO POVERTY



► **COMMUNITY HEALTH INITIATIVES**

	Program Type	Events (2024)	No of Beneficiaries	Key Partners
	Health & Nutrition Camps	15	1 100	District Health Dept., CUTM Nursing School
	Blood Donation Camps	3	1019 donors	Red Cross Society
	Mobile Clinic Visits	12	900	Community Health Cell

Centurion University’s Community Health Initiatives focus on promoting equitable healthcare access and preventive well-being in rural and underserved communities. The University addresses primary healthcare needs, strengthens community resilience and fosters awareness on nutrition, hygiene and disease prevention. These initiatives reflect the University’s commitment to building healthier communities and advancing inclusive development in alignment with the SDGs.





Primary SDG Relevance

- **SDG 1 - No Poverty:** anchors Centurion University's inclusive initiatives in education, livelihood, and social protection.
- **SDG 3 - Good Health and Well-being:** strengthens community resilience through healthcare access, nutrition awareness, and preventive wellness programs.
- **SDG 4 - Quality Education:** provides the foundation for upward mobility through skill-based, context-driven learning that empowers low-income and rural youth.
- **SDG 8 - Decent Work and Economic Growth:** translates knowledge and innovation into sustainable livelihoods via start-ups, entrepreneurship, and community enterprises.
- **SDG 16 - Peace, Justice & Strong Institutions:** Ensures inclusive and accountable institutions (SDG 16) that provide fair access to education, livelihoods, and justice for marginalized communities.

Conclusion

Centurion University's commitment to SDG 1 – No Poverty is demonstrated through a comprehensive approach that integrates inclusive education, skill development, entrepreneurship, and global collaboration. By combining redistributive measures like scholarships and fee waivers with transformative initiatives such as livelihood training, start-up incubation, and sustainable agriculture, Centurion University effectively links learning with earning. Partnerships with Deakin University (Australia), the Government of Gabon, and the SAARC Network further amplify its impact through knowledge exchange and scalable social innovation. Together, these efforts position Centurion University as a leading model of institutional social responsibility, driving inclusive growth, rural empowerment, and sustainable poverty reduction.





SDG 2: Zero Hunger

Executive Summary

Centurion University leads by example in advancing SDG 2: Zero Hunger through its integrated Zero Hunger Initiative, which aims to eradicate hunger, ensure food security, improve nutrition, and promote sustainable agriculture both within and beyond its campuses.

Through the pillars of Community, Academic, Research, Entrepreneurship, and Social Impact (CARES), Centurion University combines education with action - embedding hunger-free systems, sustainable food production, and nutrition literacy education into multiple layers of campus and community life.

In 2024, the University reached over 6,500 farmers annually (38% women, 26% youth), achieving a ₹72 lakh annual farm-gate income and supporting 25% local procurement of food through fair and traceable supply chains. On campus, the “Hunger-Free Campus Hub”, “Jagannath Annaprasadam”, and “30 Rupee Meal Scheme” provided universal, affordable meal access for students and staff. Nutrition programs - including biannual screenings, fortified menus, and awareness campaigns - contributed to a 10% reduction in anaemia, with a target of 25% by 2030.

The University’s circular food system diverts over 87% of campus food waste through eight waste-to-value channels, including composting, biochar, and black soldier fly bioconversion - turning food loss into opportunity.

Beyond campus, Utkal Krishi Mela, Agri-Clinics, and village adoption programs link faculty, students, and farmers in co-learning models that improve productivity, conserve biodiversity (78 crop varieties and 6 fish species), and build climate-resilient rural economies. Centurion University’s Zero Hunger Framework aligns with UN SDG targets 2.1–2.5 and national priorities such as Anemia Mukht Bharat and Odisha Millet Mission. With measurable impact indicators, from 98% meal coverage to a 33% reduction in food waste, Centurion University is committed to ensuring food security, sustainable agriculture, and community wellbeing.

Vision & Strategic Framework

Goal: Achieve a Hunger-Free Centurion University and contribute to SDG 2 targets 2.1–2.5 by 2030.

Approach: Integrates academic, entrepreneurial, and community actions aligned with THE Impact Rankings.



- **Five Functional Components:**

- a. Hunger-Free Campus Hubs
- b. Nutrition for Life
- c. Safe Food & Zero-Waste
- d. Sustainable Production & Market Linkages
- e. Seed & Biodiversity Commons Governance
- f. Monitoring



- **Institutional Mechanisms:**

- University Food Security Council (Vice-Chancellor – Chair).
- SDG 2 Cell + Campus Food Security Cells + Community Advisory Committees (SHG/FPO/panchayat representation).

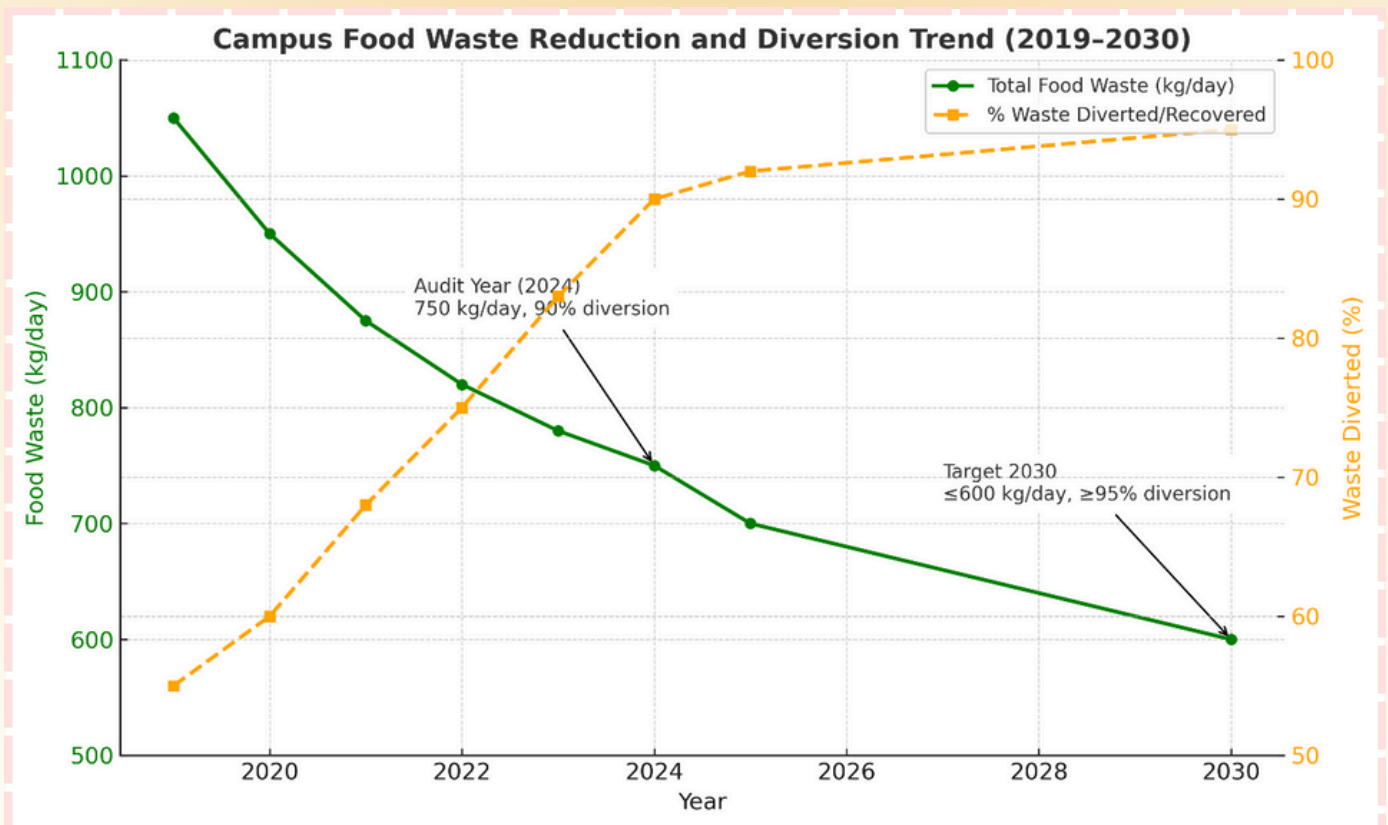
- **Data Systems:**

Digital SDG Dashboard tracking 40 + KPIs (nutrition, waste, biodiversity, livelihoods, gender).

- **Accountability:**

FSSAI-approved audits, ISO certifications, photographic verification.

Key Targets & 2025–26 Progress





Target (By 2030)	Interim Result 2024
100 % meal access (by 2027)	92 % coverage
50 % food-waste reduction (by 2027)	33 % achieved
25 % anaemia reduction (by 2030)	10 % improvement
≥ 35 % local procurement	25 % achieved
Farmers trained annually	6,500 (38 % women, 26 % youth)
Genetic resources conserved	78 varieties + 6 fish species

Circular & Climate-Smart Food Systems

Eight-Channel Waste-to-Wealth Cascade:

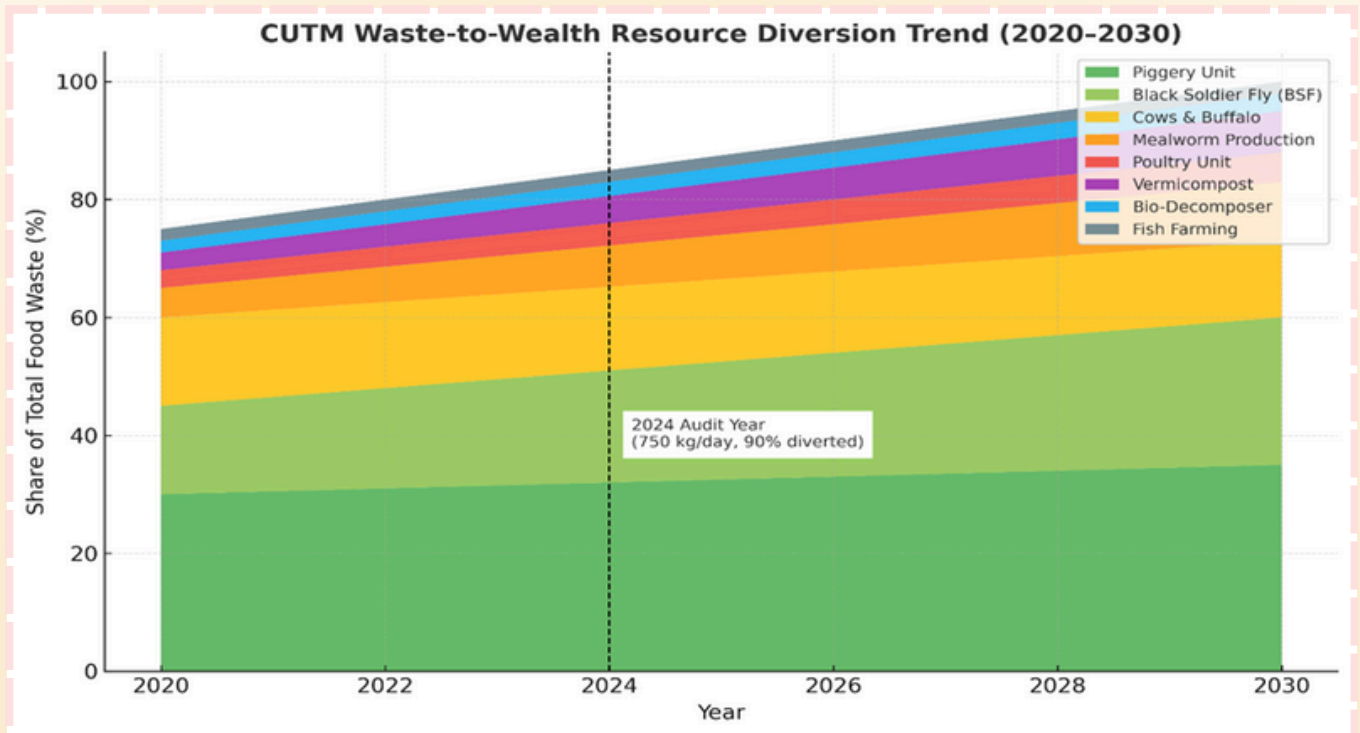
prevention → forecasting → redistribution → feed → BSF bioconversion → compost → biogas → biochar.

2024 Data:

- ~ 750 kg/day food waste; 90 % diverted from landfill.
- Allocation: 35 % piggery, 25 % BSF, 15 % cattle feed.
- “Clean Plate Challenge 2024”: 23 % reduction in plate waste in 2 months.
- BSF larvae → fish/poultry feed; compost/biochar → campus farms.

Community Outreach & Farmer Empowerment

- Unnat Bharat Abhiyan framework:
- Focus: organic farming, biofloc & aquaponics, soil-health management.
- Women’s SHGs: mushroom, apiculture, post-harvest (35–40 % female participation).
- Utkal Krishi Mela & mini-Kisan Melas: yield improvement ≈ 30 %
- Paid capacity-building courses: ₹650–₹1,800 → mushroom spawn production, handloom, bio-inputs.



Skill-Integrated Enterprise & Student Learning

- AELP Model (“Learn-to-Earn”).
- Academic Credits + Stipends + Profit-sharing
- Campus self-reliance

Research, Innovation & Incubation

- Food Systems Innovation Challenge: 10 student ventures (2024–26) → seed funding + industry mentorship.
- Themes: waste valorisation, bio-inputs, digital agri tools, climate-smart farming.
- Digital price-literacy modules: WhatsApp (Odia & English) → real-time market updates for farmers.

Nutrition, Health & Food Safety

- Screenings: bi-annual Hb tests, IFA supplementation, deworming camps.
- Menu: millet-based meals 3–4 times/week; low-oil/salt preparation.
- Food labelling: calories, macronutrients, allergens displayed.
- Engagement: monthly culinary workshops + Nutrition Ambassador clubs.
- Certifications: Eat Right Campus & HACCP audits.



Quantitative Impact (2023–25)

Indicator	Outcome
Food waste recovered	750 kg/day (90 % diverted)
Farm income from clusters	₹ 72 lakh/year
Training coverage	6,500 farmers + 1,000 students
Yield improvement	25–30 % increase
Anaemia reduction	10 % decline in mild cases
Gender inclusion	38 % women, 26 % youth
Biodiversity conserved	78 crop varieties, 6 fish species

Theory of Change

- Inputs: Campus kitchens, farms, faculty, CSR funds.
- Activities: Nutrition services, waste recycling, farmer training.
- Outputs: Meals served, compost produced, farmers trained.
- Outcomes: Lower food insecurity, higher incomes, better soil & nutrition
- Impact: Hunger-free campus and resilient local agrifood ecosystem.



Vermicompost at Paralakhemundi Campus, Centurion University



Primary SDG Relevance

- **SDG 1 (No Poverty):** Strengthening livelihood security through inclusive agri-based income generation.
- **SDG 3 (Good Health and Well-being):** Enhancing community nutrition and food safety.
- **SDG 5 (Gender Equality):** Promoting women’s leadership and participation in agri-value chains.
- **SDG 6 (Clean Water and Sanitation):** Advancing sustainable water use and irrigation practices.
- **SDG 8 (Decent Work and Economic Growth):** Creating employment through agri-entrepreneurship and skill development.
- **SDG 9 (Industry, Innovation, and Infrastructure):** Integrating technology and innovation in sustainable agriculture.
- **SDG 12 (Responsible Consumption and Production):** Encouraging efficient resource use and reduction of food waste.
- **SDG 13 (Climate Action):** Promoting climate-resilient and low-carbon agricultural systems.
- **SDG 16 (Peace, Justice, and Strong Institutions):** Supporting transparent and inclusive rural governance.
- **SDG 17 (Partnerships for the Goals):** Fostering collaborations with industry, academia, and government for sustainable food systems.

Conclusion

Centurion University’s Zero Hunger Initiative demonstrates a data-driven, integrated approach toward achieving food security and sustainable agriculture. The initiative not only enhances campus food resilience but also strengthens rural livelihoods and biodiversity conservation through measurable and scalable interventions. This comprehensive model effectively translates SDG 2 goals into actionable outcomes, positioning Centurion University as a national exemplar of sustainable and inclusive food systems.



SDG 3: Good Health and Well-Being

Executive Summary

Centurion University is deeply committed to advancing SDG 3: Good Health and Well-Being through an integrated model that connects education, innovation, and community healthcare delivery. Guided by the vision of “Shaping Lives and Empowering Communities,” the University embeds physical, mental, and social well-being across all aspects of academic, research, and outreach programs.

In 2024, Centurion University reached over 100,000 beneficiaries through its flagship initiatives - Healthcare on Wheels, Vision Care on Wheels, and Community Health Camps - delivering 15,000+ eyeglasses, 20,000 free health check-ups, and 1,000+ tele-consultations to underserved rural and tribal communities. Through partnerships with Ashwini, Kalinga, SUM, and Ruby Hospitals, more than 350 students gained practical experience in diagnostics, optometry, and physiotherapy, reinforcing Centurion University’s model of learning through service.

Centurion University’s collaborative healthcare ecosystem extends from the local to global - with alliances including Essilor International, Western Sydney University, Dassault Systems Foundation, and the AYUSH Ministry. These partnerships advance clinical training, predictive healthcare research, and affordable therapeutic development, linking academic knowledge with tangible social impact.

The University also prioritises mental health, women’s health, and preventive fitness as integral to overall well-being. In 2024, more than 3,000 students and staff benefited from counselling, yoga, and mindfulness sessions under the “YOGOTSAV” campaign, while women’s health programs reached 3,150 students through awareness workshops and free consultations. Centurion University’s sports and fitness initiatives engaged 1,000 participants annually, promoting holistic wellness and health equity across rural Odisha.

Centurion University’s 5 Pillars of Health Impact - Clinical Training, Preventive Care, Community Outreach, Mental Health, and Women’s Well-being - ensure that every health intervention contributes to learning, livelihood, and systemic and lasting social change. By making health education accessible, practical, and inclusive, the University advances multiple global goals, including SDG 3 (Good Health and Well-Being), SDG 4 (Quality Education), SDG 8 (Decent Work and Economic Growth), and SDG 10 (Reduced Inequalities). Centurion University’s approach - education for empowerment, health for humanity -redefines how a university can contribute to community health and wellness.



Collaborative Healthcare Ecosystem

Centurion University's model is built upon multi-level collaborations:

Local: Partnerships with Ashwini, Kalinga, SUM, and Ruby Hospitals for diagnostic and internship programs benefitting 350+ students annually.

National: MoUs with LIC, GAIL, and SAIL enabling 20,000+ beneficiaries through Healthcare on Wheels and Tele-Consultation programs.

Global: Alliances with Essilor International, Western Sydney University (WSU), and Dassault Systems for simulation-based healthcare and public health research.

Key Impact:

- 15,000+ eyeglasses distributed through Vision Care on Wheels
- 1,000+ tele-consultations delivered
- 100+ health camps in rural and tribal Odisha
- 250 students trained in diagnostics and preventive care

Fitness, Sports, and Active Well-Being

Centurion University promotes active living and preventive healthcare through accessible fitness programs and community engagement:

- 1,000 participants in free yoga and fitness sessions annually
- 500 school children engaged in sports wellness workshops
- 200+ screened during fitness and BMI drives
- Paid memberships sustain the Gym & Swimming infrastructure for long-term health promotion.

These initiatives integrate physical fitness, mindfulness, and community bonding — reinforcing health as a shared responsibility.

Sexual and Reproductive Health Access

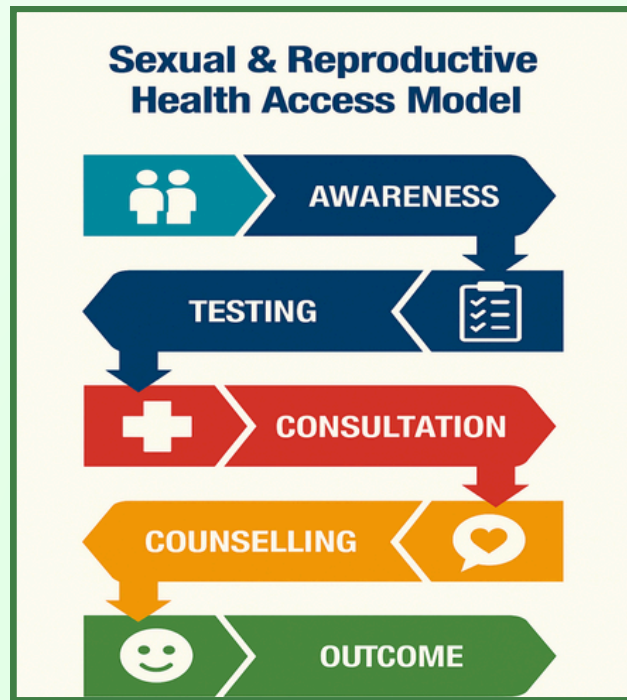
Centurion University ensures confidential, affordable, and inclusive Sexual and Reproductive Health (SRH) services through free awareness workshops, subsidized STI testing, and gynaecological consultations.

2024 Achievements:

- 6 awareness workshops | 3,000+ students reached
- 300 specialist consultations | 150 STI tests conducted
- 1,500 participants in key health observances



This integrated SRH model empowers students, especially women with informed, stigma-free healthcare access.



Mental Health and Emotional Well-Being

Mental health is central to Centurion University's holistic well-being strategy:

Services: Counselling, yoga, mindfulness, and tele-therapy

Impact (2024):

- 3,000+ beneficiaries through counselling and awareness sessions
- 365 daily yoga/meditation sessions
- 1,000 participants in YOGOTSAV 2024
- 5 peer mentoring networks established

Outcomes: Reduced stress, enhanced academic focus, inclusive support systems for vulnerable groups, and campus-wide mental health literacy.



Smoke-Free and Substance-Free Campus

A 100% smoke-free and substance-free environment has been maintained since 2017:

- 20+ health awareness campaigns
- 2,000+ participants in pledge drives
- 25 schools and villages engaged in awareness

Impact: Reduced substance use and normalized health-positive campus behaviour.

Primary SDG Relevance

- **SDG 4 - Quality Education:** Health education and skill-integrated learning.
- **SDG 8 - Decent Work and Economic Growth:** Health-driven livelihoods and job creation.
- **SDG 10 - Reduced Inequalities:** Equitable healthcare reducing social inequality.

Centurion University's integrated approach ensures that every wellness intervention contributes to education, empowerment, and economic resilience.

Conclusion

Centurion University exemplifies the transformative role of higher education in achieving universal health and well-being. By fusing academic innovation, clinical collaboration, and social outreach, Centurion University creates measurable impact, reaching over 1 lakh beneficiaries annually, empowering thousands of students, and fostering health equity across rural India. Its model, education for empowerment, health for humanity — sets a national benchmark for SDG-aligned institutional sustainability.





SDG 4: Quality Education

Executive Summary

Centurion University is committed to advancing SDG 4: Quality Education by transforming learning into an inclusive, lifelong, and community-empowering journey. Guided by its vision of “Shaping Lives, Empowering Communities,” Centurion University ensures that education extends far beyond the classroom - bridging academic knowledge with real-world application, skill-based employability, and sustainable community development.

In 2024, the University reached over 3.2 lakh direct beneficiaries through a dynamic ecosystem of free access, open resources, digital innovation, and experiential learning. Centurion University’s Open Education Framework includes 47 free certificate courses, public access to libraries and laboratories, online programs, and an expanding repository of 230+ AR/VR learning assets, democratizing world-class education for all. By 2030, Centurion University aims to reach over 4.5 lakh learners through its “Learning for All 2030” initiative.

The University’s open library network, serves over 2.5 lakh users, and its free courseware platform, was accessed by more than 43,000 learners. Simultaneously, initiatives like J.C. Kumarappa Technology Park, Lernern Skill-Integrated Apprenticeships, and PACS Secretaries’ Training translate academic excellence into employment, entrepreneurship, and social mobility - directly addressing SDG targets 4.3 (access to affordable education) and 4.4 (skills for employment and entrepreneurship).

Centurion University’s global learning environment blends industry partnerships, international collaborations, and digital pedagogy, enabling educators and students alike to adapt to emerging technologies - from AI and drone innovation to sustainable agriculture and indigenous arts. Its Faculty Development Programs, CHSE Teacher Training, and technical exposure for government officers position the University as a national model for NEP 2020 implementation and lifelong learning.

Public events such as Global South Nexus Conference, Viksit Bharat 2024, and Yogotsav further extend learning to communities, turning the University into a hub for innovation, health, and sustainability. Student-led platforms like Culminace and Manzar 3.0 promote creativity, leadership, and entrepreneurship - embedding employability, digital literacy, and values-driven education into the student experience.

Through its integrated model of Community, Academic, Research, Entrepreneurship, and Social Impact (CARES), Centurion University redefines higher education as a force for equity and empowerment. Its commitment to open access, lifelong learning, and inclusive innovation ensures that every learner - whether a farmer, artisan, teacher, or student - can access opportunities to learn, grow, and thrive.



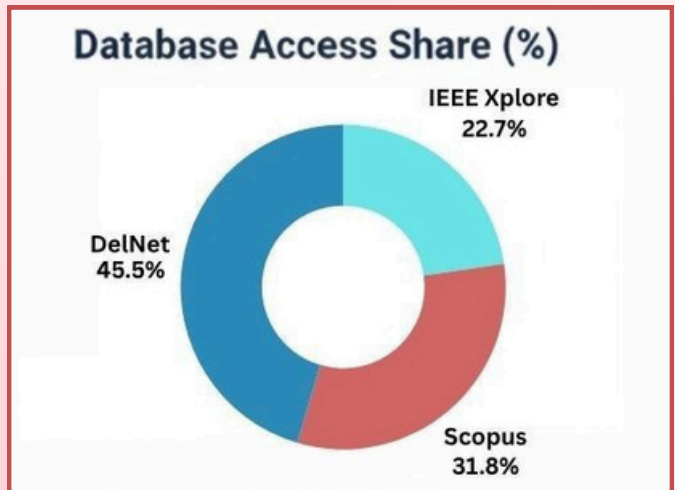
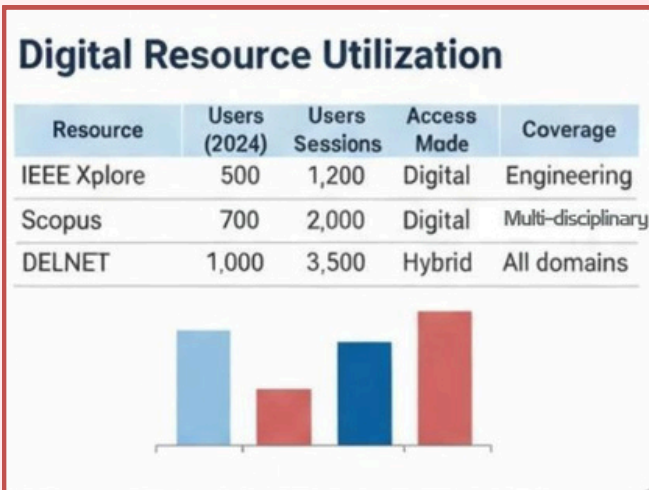
SDG 4: Quality Education

Access and Inclusion Highlights

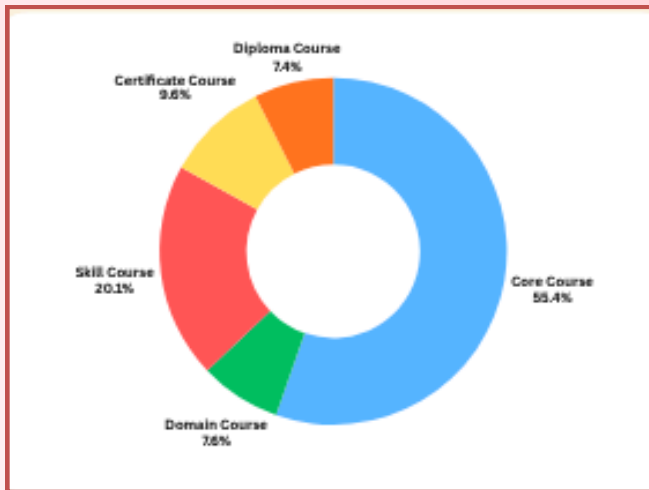
Category	Beneficiaries (2024)	Key Impact
Free Certificate & Award Courses	1,000+ learners	47 open courses bridging formal & community education.
Free Campus & Equipment Access	2,000+	1,100 computers supporting coding, digital literacy & data skills.
Library (Physical + Digital)	2,55,550+ users	8 databases – IEEE Xplore, Scopus, Web of Science etc.; global knowledge access.
Research Facilities & Labs	5,293 school & community learners	HPLC, NABL, AR/VR labs – hands-on scientific learning.
Centurion Courseware	36,000 users (2024)	1,000+ e-courses; learner-centric and context-specific.
Online & Hybrid Learning	Global	Expands access beyond campus; flexible, affordable education.
3D AR/VR Learning Platform	230+ digital assets	Immersive learning in healthcare, science & engineering.
Open Video Programs	2,058+ online participants	Free YouTube & Udemy courses on agriculture & skills.



Access to Facilities: Libraries and Research Labs



Online Learning and Digital Courseware



Key Outcome:

- Over 3.2 lakh beneficiaries (2024) reached through inclusive, tech-enabled education.
- Target 4.5 lakh by 2030 via Centurion University's Learning for All 2030 model.



Lifelong Learning in Action

- Digital Courseware & MOOCs: 1,000+ open courses; micro-credentials for professionals.
- Skill & Vocational Pathways: D.Voc / B.Voc with Learn-and-Earn model (Lernern India collaboration).
- Online Degrees & Certifications: Flexible programs in management, IT, agriculture, and health.
- AR/VR Immersive Labs: 3D interactive simulations (Web 3.0 platform).
- Qualification Packs (2024): 13 QPs across Agriculture & Capital Goods → 30 beneficiaries.

Community & Public Engagement

Public Event / Training	Participants	Learning Focus (SDG 4 Link)
Agri Exhibition	55 farmers	Smart agriculture & drone tech.
Kisan Mela & Rural Haat	5,000 farmers	Sustainable farming, livelihood.
NFDB Fish Farmers Training	25	Aquaculture & value addition.
Yogotsav 2024	1,795 online	Education + well-being integration.
Global South Nexus Conference	376	Sustainable professional learning.
Faculty Development Programs	33 lecturers	NEP 2020, AI, AR/VR pedagogy.
OPTCL & PACS Training	61	Vocational & leadership skills.

506,000 total beneficiaries from public lectures, FDPs, hackathons, and rural training in 2024.



Innovation & Digital Transformation

- Centurion AR/VR Platform → democratizing immersive education via Web 3.0.
- EON-XR Repository: 230+ assets → target 1,000+ by 2028.
- Hackathons & Innovation Challenges: Smart India Hackathon finalist 2024.
- AI-Driven Courseware Analytics: Personalized adaptive learning and inclusion tracking.

Research & Open Access (2024):

- 1,001 Scopus/WoS publications → Knowledge as a Public Good.
- Integration of SDG 4 with SDG 9 (Innovation) and SDG 17 (Partnerships).

Global and Rural Outreach

- International Collaboration: Skill training for Australian Aboriginal students (2024).
- Exposure Program for OFS Probationers: 24 officers – smart agriculture & sustainability.
- Rural Technology Park (JCK-TP-IC): 12 studios & centres (art, craft, agriculture, music, sustainability).
- Skill Training Programs: 35 training → 165 artisans across Odisha & Andhra Pradesh.



Region	Participants	Duration	Focus Area	SDG 4 Link
Nepal	30	5 days	SME Financing	4.4
Zimbabwe	71	1 month	Technical Training	4.3
Odisha PACS	120	10 days	Agri & Digital Skills	4.4



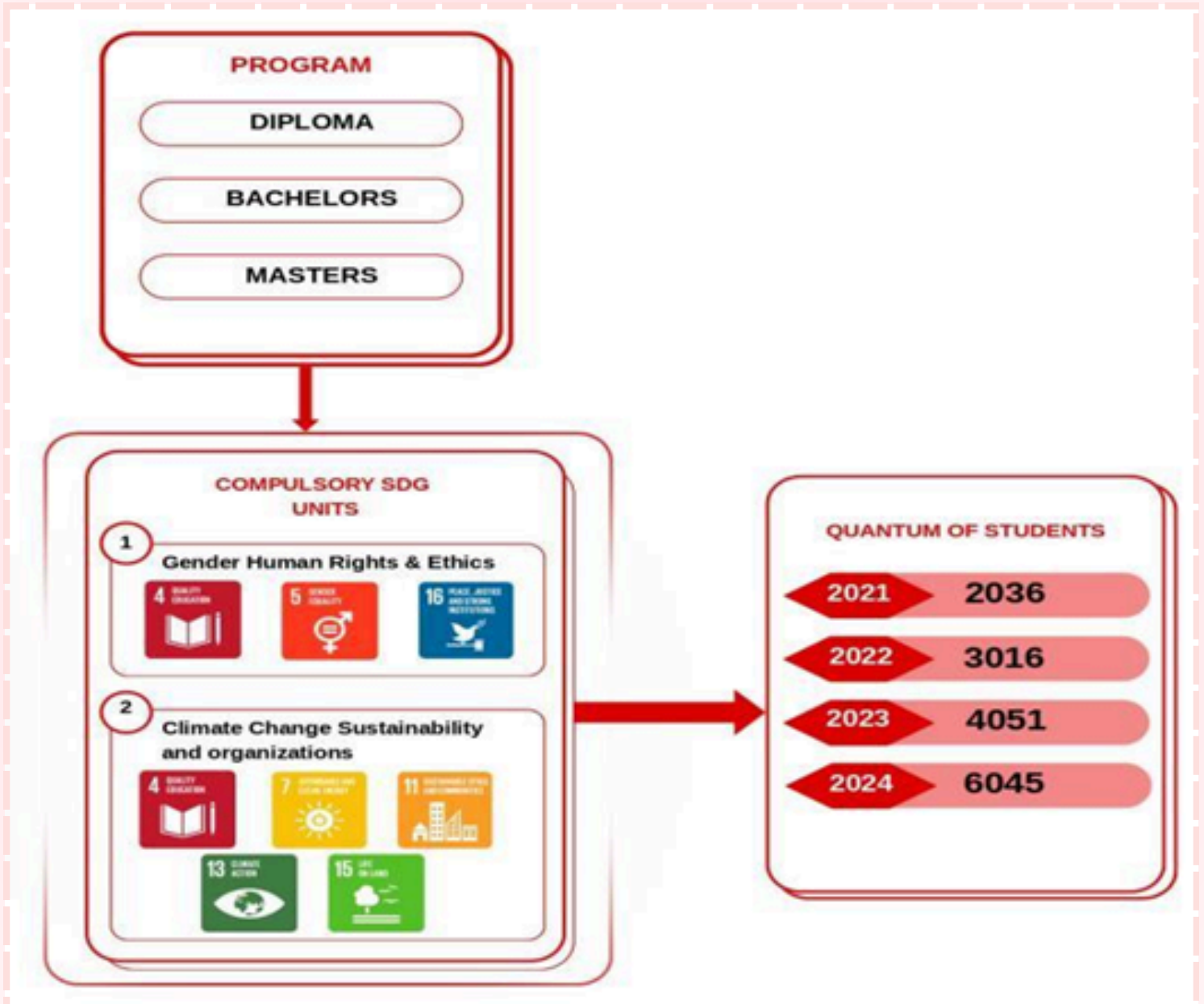
2024 Key Impact Indicators

Indicator	Metric	Trend (↑)
Access to Free Education Resources	3.2 lakh beneficiaries	↑ 20% YoY
Digital Courseware Usage	36,000 → 43,000 (2025 proj.)	↑ 19%
Skill Programs / QPs	13 (QPs developed)	↑ 25% industry alignment
AR/VR Assets	230 → 1,000 (2028 target)	↑ 335%
Faculty Training	33 (NEP aligned)	↑ 50% digital inclusion
Research Publications	1,001	↑ 15% Open Access citations



**Our
Publication
Journey in
2024**

Education for SDGs - Specific Courses on Sustainability



Centurion University has positioned sustainability education at the heart of its institutional model. By offering SDG-centred courses, skill-integrated programmes, multi-disciplinary specialisations and community-engagement frameworks across its multiple campuses, CUTM operationalises the NEP 2020 vision and UGC mandate to ensure that learners from varied disciplines and levels acquire the knowledge and skills to promote sustainable development (inclusive of the global, the local, the present and the future)



Primary SDG Relevance

- **SDG 1 (No Poverty):** Enhances income opportunities for potters, contributing to poverty alleviation.
- **SDG 4 (Quality Education):** Provides hands-on training in pottery and clay art, improving the skills of students and artisans.
- **SDG 8 (Decent Work and Economic Growth):** Promotes economic growth through skill development and entrepreneurship.
- **SDG 12 (Responsible Consumption and Production):** Supports sustainable production practices by promoting locally made products.

Conclusion

Education as a Public Good

Centurion University's inclusive education model transforms education into a shared social asset, bridging divides, fostering employability, and enabling innovation. By 2030, Centurion University aims to reach 4.5 lakh learners, exemplifying SDG 4 through open, technology-enabled, lifelong education.

“Education for All, Learning for Life.”
Centurion University – where access meets excellence.



SDG 5: Gender Equality

Executive Summary

Through inclusive education, leadership advancement, entrepreneurship, and community empowerment, Centurion University is deeply committed to achieving SDG 5: Gender Equality. Centurion University ensures gender opportunities across academic, administrative, and outreach functions - ensuring that equity and opportunity are embedded in the University's DNA.

In 2024, Centurion University achieved 34.4% female graduates, 30.6% first-generation women learners, and 19.4% women in senior academic roles, marking measurable progress toward gender parity in higher education. With over 28% women enrolment, the University's inclusive admissions policy continues to create pathways for rural, tribal, and first-generation female students through fee waivers, bridge courses, and mentorship programs.

Centurion University's commitment is institutionalized through the Gender Equality and Diversity Policy (2023), a Sexual Harassment Prevention and Redressal Mechanism (POSH), and the Women Development Cell (WDC) and Equal Opportunity Cell (EOC) - ensuring safe, equitable, and empowering learning environments. In 2024 alone, nine policy workshops sensitized 624 faculty and staff, while the Gender Equality Scorecard introduced under IQAC enhanced accountability and performance monitoring.

Women's leadership is cultivated through targeted Faculty Development Programs (FDPs) and mentorship pathways. Female representation in senior academic positions nearly doubled since 2021, driven by focused initiatives under the Institutional Leadership Program. Concurrently, the "STEM for She" campaign and inclusive learning reforms are narrowing the gender gap in traditionally male-dominated fields, raising women's participation in STEM by 4% and Medicine by 5% in 2024.

The University's entrepreneurship ecosystem further strengthens women's economic empowerment. In 2024, 58% of Centurion University start-ups were founded or co-founded by women, and 700 women from Self-Help Groups (SHGs) were trained in enterprise and livelihood development. Under the Gram Tarang Inclusive Growth Model, women-led ventures in food processing, bio-enterprise, handloom, and apparel design are transforming local economies.

Centurion University's research and innovation agenda is equally gender-responsive, with 8 active R&D projects on women's health, renewable energy, and nutrition, alongside 15 student innovations under the Hack4Equality initiative.

On campus, gender equality is further supported by Women-only Counselling Centres, a 100% functional Internal Complaints Committee (ICC), and more than 20 sensitisation workshops conducted in 2024. Through community outreach, Centurion University amplifies its impact beyond the campus. In 2024, 1,200 women were trained in sustainable agriculture



and entrepreneurship, 3,000 households benefited from eco-hygiene initiatives, and 150 schoolgirls were mentored under STEM for She. Partnerships with UNDP, ICAR, NRDC, and the State Women & Child Development Department ensure the scalability and sustainability of these outcomes.

Centurion University's gender mainstreaming framework aligns directly with SDG 4 (Quality Education), SDG 8 (Decent Work and Economic Growth), and SDG 10 (Reduced Inequalities). The University's 2030 vision targets 50% gender representation across academic, leadership, and entrepreneurial roles.

Impact at a Glance 2024

Gender Equality Metrics



First-Generation
Women Enrollment

30%

first in family to attend



Women
Enrollment

48%

of total students



Senior Female
Academics

19%

of senior staff



Women
Graduates

34%

of total graduates



Women Start-up
Founders

58%

of entrepreneurs



Livelihood Classes
(SHG Women)

700+

trained in communities



Institutional Policy and Gender Mainstreaming

Centurion University has institutionalized gender equity across all academic and administrative systems through policies approved by the Board of Management, including:

- Centurion University Gender Equality and Diversity Policy (Revised 2023)
- Sexual Harassment Prevention and Redressal Mechanism (POSH)
- Equal Opportunity Cell (EOC) for monitoring inclusivity metrics
- Women Development Cell (WDC) coordinating awareness and leadership programs

In 2024, nine policy workshops were held to sensitize 600+ faculty and staff on gender equity and workplace safety. A Gender Equity Scorecard was introduced under the IQAC to measure participation, leadership, and training outcomes across schools.

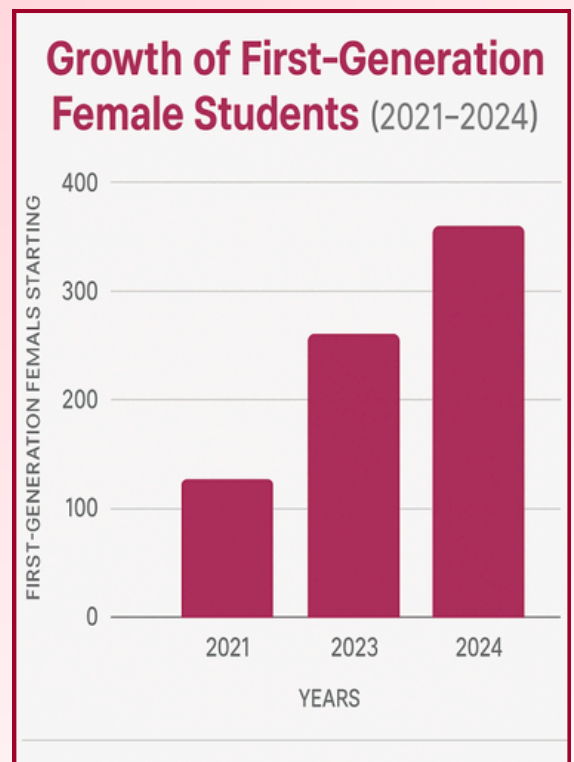
Access and Inclusion – First-Generation Women in Higher Education

Centurion University’s gender-inclusive admission policy continues to expand opportunities for first-generation female learners from rural, tribal, and underserved backgrounds.

Data Summary (2021 – 2024):

- Total students starting a degree (2024): 3,471
- Women starting a degree: 1,110
- First-generation women starting a degree: 340 (30.6 %)

Despite increased overall enrolment, Centurion University maintained over 30 % participation of first-generation female learners, supported through fee waivers, bridge courses, and mentorship initiatives.





Women in Academic Leadership

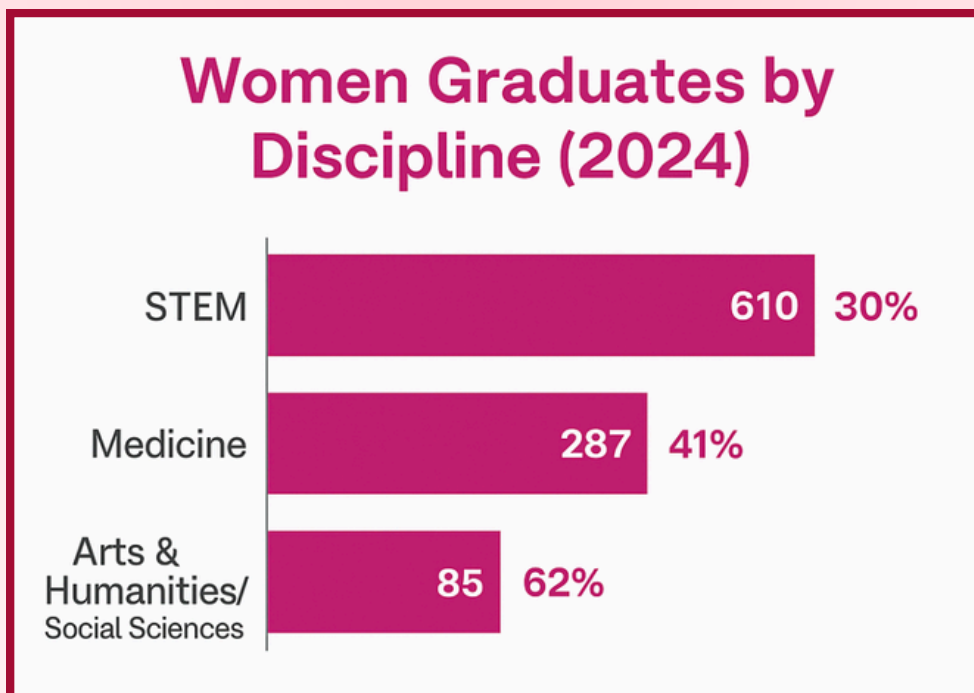
Centurion University prioritizes leadership advancement for women faculty through targeted mentorship, FDPs on Gender and Leadership, and representation in decision-making bodies.

Data Summary (2024):

Category	Number	Female	% Female
Academic staff	605	254	42%
Senior academic staff	186	36	19.40%

Gender Parity in Graduation Outcomes

Graduation Data (2024):



The gender gap in graduation outcomes is narrowing, with significant progress in Medicine (+5 %) and STEM (+4 %) since 2023. The University’s “STEM for She” initiative and mentorship programmes have been key drivers. The University’s Study-Work-Earn-Learn model has enabled more than 1,000 women from rural communities to gain employment-ready skills and financial independence.



Women Entrepreneurship and Skill Development

Centurion University encourages women's economic empowerment through its entrepreneurship and incubation ecosystem.

2024 Highlights:

- 58 % of Centurion University start-ups were founded or co-founded by women.
- 700 + SHG women trained under community livelihood and enterprise initiatives.
- Dedicated programs in Food Processing, Bio-entrepreneurship, and Textile Design support inclusive economic growth.

Gender Parity in Graduation Outcomes

Under the Gram Tarang Inclusive Growth Model, Centurion University promotes women-led enterprises in areas like:

- Food processing and agri-value addition
- Handloom, apparel, and design technology
- Bioenzyme and sustainable product manufacturing
- Microenterprise incubation and e-commerce enablement

The Women Entrepreneurship Cell (WEC) coordinated 26 enterprise clinics and mentoring sessions in collaboration with the MSME Department, NRDC, and NABARD.

Capacity Building, Research, and Innovation

Centurion University fosters gender-inclusive research and innovation through:

- 8 dedicated R&D projects addressing women's health, nutrition, and renewable energy
- 15 student-led innovations under the Hack4Equality initiative (2024)
- Publication of 12 papers on gender-responsive technology design and social inclusion

Additionally, 150+ women faculty underwent Faculty Development Programs (FDPs) in digital pedagogy, entrepreneurship, and leadership under the Centurion University-NRDC Innovation Series.



Primary SDG Linkage

Centurion University's gender equality initiatives directly strengthen and interconnect with:

- **SDG 4: Quality Education** – Inclusive admissions and learning access.
- **SDG 8: Decent Work and Economic Growth** – Women's entrepreneurship and leadership.
- **SDG 10: Reduced Inequalities** – Support for first-generation and rural women.
- **SDG 16: Peace, Justice, and Strong Institutions** - Enforces an Anti-Discrimination and Equal Opportunity Policy, protecting women's rights and promoting justice across staff and student bodies.

Conclusion

Centurion University's gender mainstreaming efforts reflect a measurable and sustainable impact across education, employment, leadership, and entrepreneurship. The University will continue to strengthen policy implementation and data-based monitoring towards achieving 50 % gender representation by 2030 in education and employment. By integrating academic innovation with social equity, Centurion University continues to reaffirm its vision: "Shaping Lives, Empowering Women, and Building Sustainable Communities."





SDG 7: Affordable and Clean Energy

Executive Summary

Centurion University is leading India's higher education transition toward a low-carbon, energy-secure future. In alignment with SDG 7: Affordable and Clean Energy, the University's vision goes beyond renewable installations - it integrates clean energy generation, energy efficiency, innovation, and capacity building across its campuses and communities.

As of 2024, 55% of Centurion University's total energy consumption is powered by renewable sources, with an installed capacity of 1.25 MWp of rooftop and ground-mounted solar systems generating 1.8 GWh annually and avoiding 1,450 tonnes of CO₂ emissions each year.

Complementing this, 1.2 GWh of energy savings have been achieved through smart-campus measures such as LED retrofitting, smart metering, and HVAC optimization. By 2035, Centurion University aims to achieve full carbon neutrality, supported by an institutional Energy Policy and governance framework that embeds sustainability in operations, learning, and community practice.

Centurion University's Renewable Energy Portfolio demonstrates innovation at every scale - from solar microgrids and biogas-based waste-to-energy systems to IoT-enabled smart monitoring and electric mobility. Its five-campus solar network and decentralised energy systems provide produce learning outcomes while driving measurable environmental benefits.

Beyond its campuses, the University extends clean energy access to rural and remote communities through solar irrigation pumps, portable dryers, and decentralised biogas units - empowering smallholder farmers, women's self-help groups (SHGs), and youth entrepreneurs.

Over 250 students have been trained in renewable energy systems and green job readiness through programs under the School of Engineering and Schneider Smart Lab, linking education directly to India's clean energy workforce development goals.

The University's Smart Mobility and Infrastructure Plan further accelerates emission reduction, with a growing EV fleet of 75 vehicles and 16 charging stations, saving over 40,000 litres of fuel annually. Its new academic blocks and hostels integrate passive design, daylight optimization, and green roofing, reducing building energy intensity by up to 30%.

Centurion University's innovation ecosystem also drives applied research through IoT-based microgrids, biochar units, and automated polyhouses, achieving up to 50% energy savings compared to conventional practices. Three energy-tech start-ups have already been incubated under this program, linking SDG 7 (Clean Energy) with SDG 9 (Industry, Innovation, and Infrastructure) and SDG 13 (Climate Action).

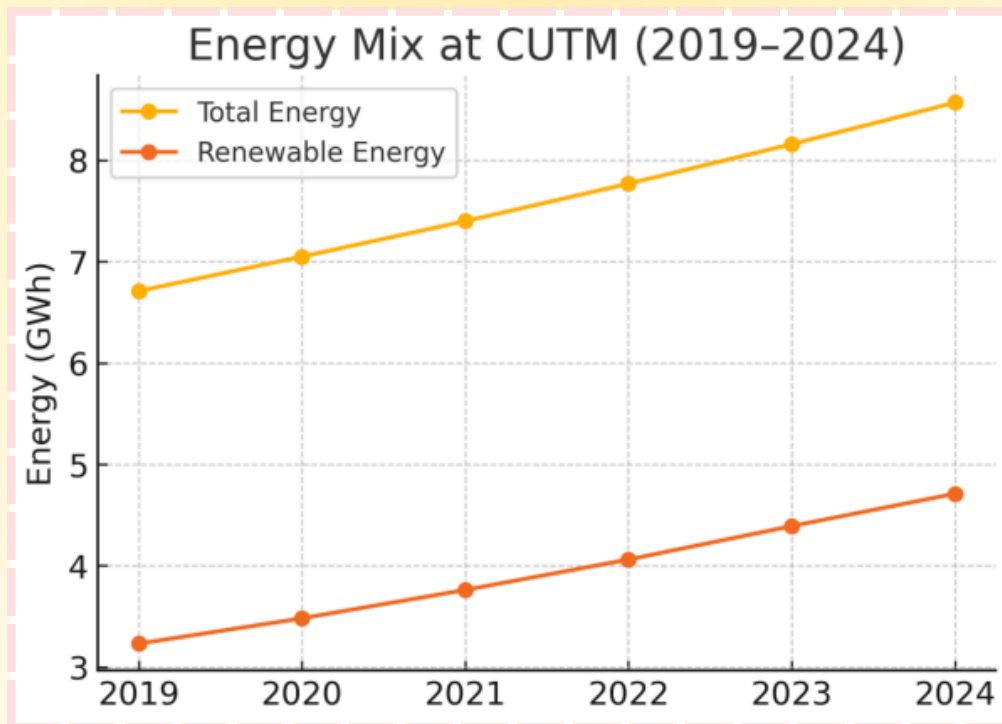


Through partnerships with MNRE, NISE, Schneider Electric, ICAR, and CSR organizations, Centurion University’s clean energy model exemplifies scalability and social inclusion. The University’s biogas-to-biofertilizer systems, solar-powered food processing, and energy-skilling programs create replicable pathways for green livelihoods across Eastern India.

By positioning clean energy as both an educational and operational priority, Centurion University is redefining what a sustainable university can be - one that not only consumes clean power but creates energy-smart citizens, climate-resilient communities, and a future-ready workforce.

Renewable Energy at Centurion University

- 150 kW rooftop solar installed across campuses.
- Biogas plants deployed for clean cooking and labs.
- EV bus trials and charging stations supporting green mobility.
- Solar skill labs established for student training.

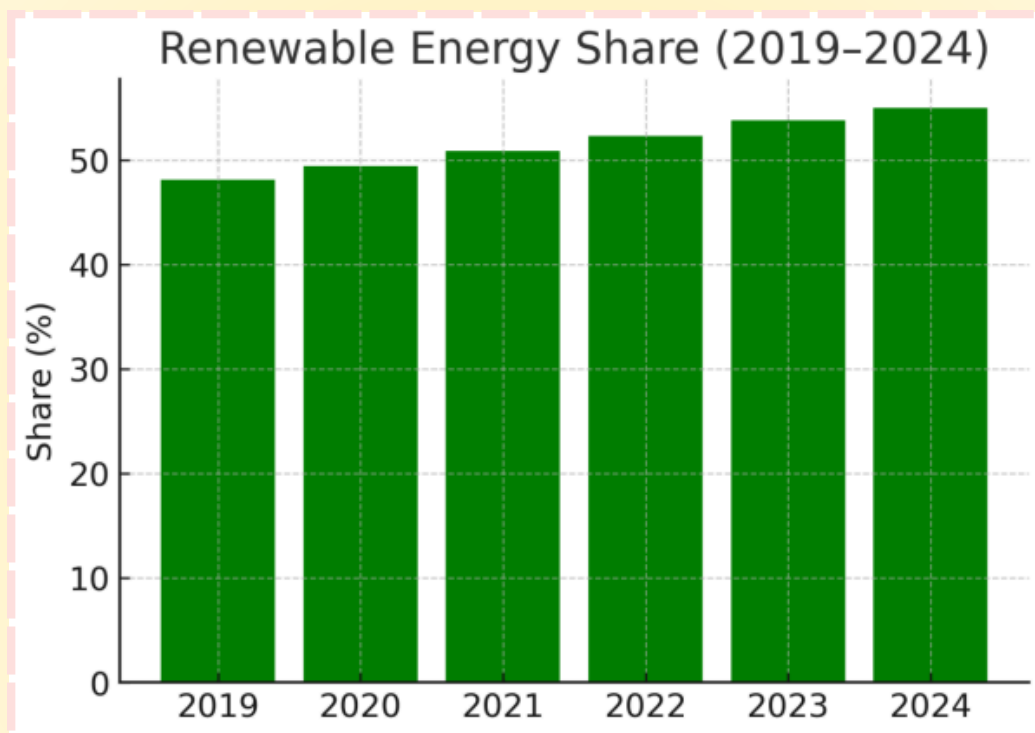


Energy Mix at Centurion University (2019–2024)

Energy Efficiency & Smart Systems

Key measures adopted to reduce energy intensity and enhance efficiency:

- LED Retrofits: 6,500+ LEDs installed, reducing lighting energy use by ~35%.
- Smart Controllers: Occupancy and daylight sensors reduce wastage.
- Automation Systems: Building Management Systems (BMS) in labs and HVAC.
- Annual Energy Audits: Conducted to identify inefficiencies and optimize usage.



Renewable Energy Share (2019–2024)

Buildings are designed with advanced energy-efficient systems, including passive solar design, high-performance insulation, and energy-efficient HVAC systems. This reduces the overall energy demand and supports the University's goal of minimising energy consumption.



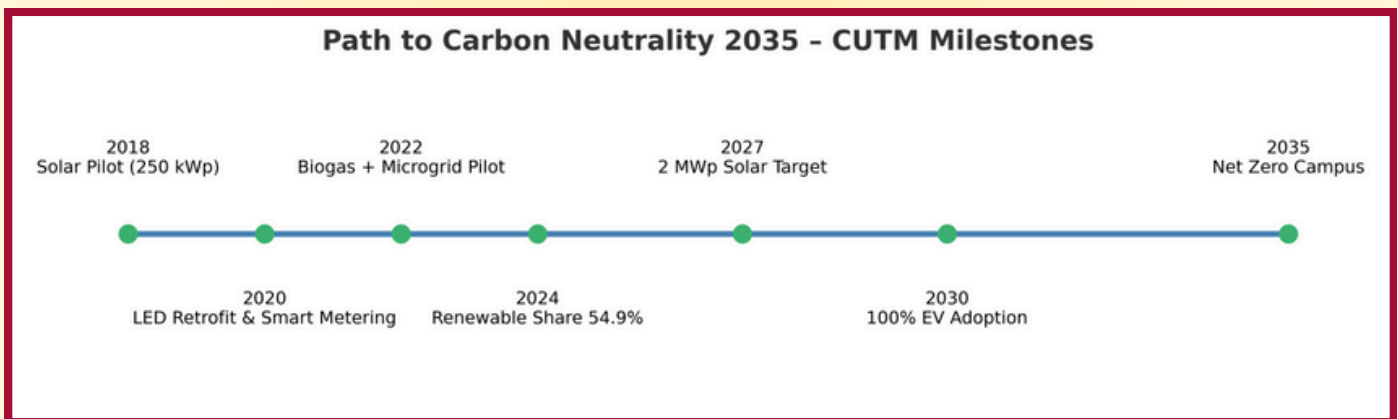


Student, Research & Community Engagement

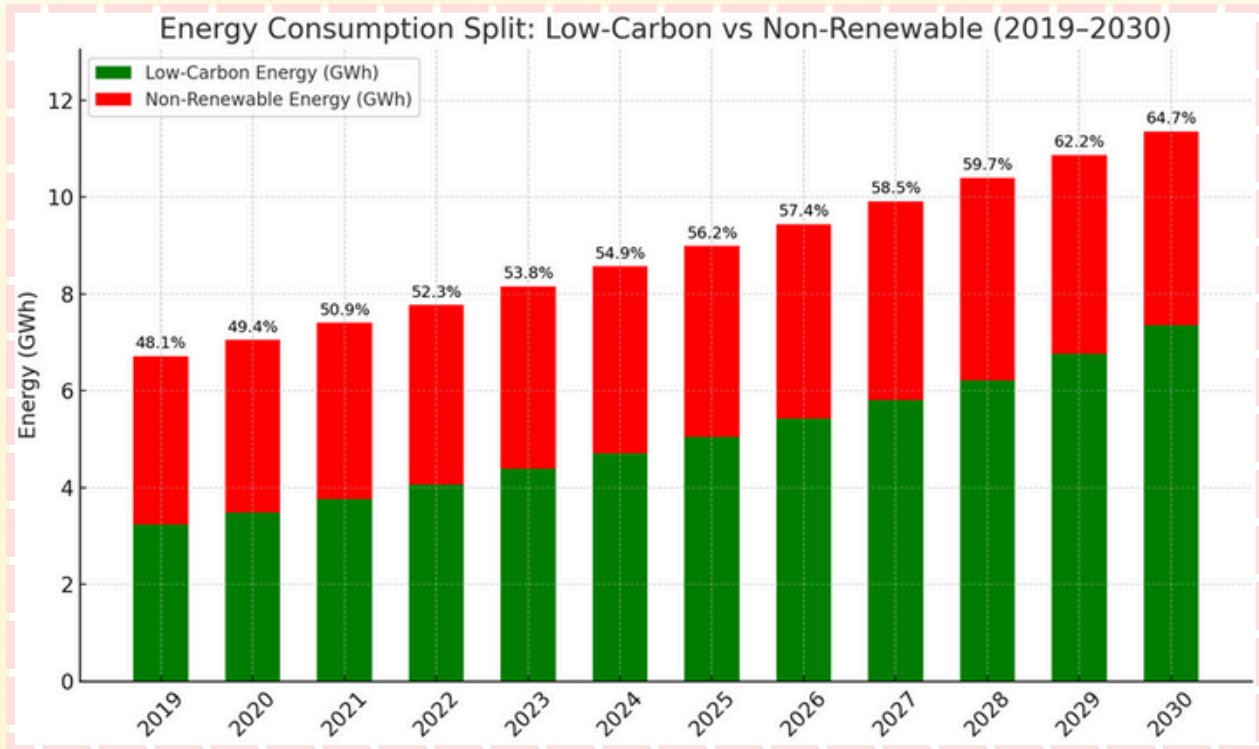
- Solar and EV skill labs established for hands-on learning.
- Student projects on polyhouse automation and microgrid systems.
- Community outreach: 5,000+ saplings planted, energy awareness drives.
- Farmer training on climate-resilient, low-carbon practices.

Roadmap & Future Plans

- Expand solar capacity to 2 MWp by 2027.
- 10 district-scale microgrids by 2028.
- 100% EV adoption across campuses by 2030.
- Achieve Net Zero Emissions by 2035.



Solar Power Plant



Energy Consumption Split: Low-Carbon vs. Non-Renewable (2019–2030)

Primary SDG Relevance

SDG 13

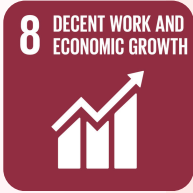
- Renewable generation directly reduces Centurion University’s Scope 2 emissions.
- 1,450 tCO₂e avoided annually under SDG 13.2 (Climate Action).
- Energy audits ensure consistent GHG reporting.

SDG 9

- Smart Microgrid and IoT R&D Lab link innovation with industry.
- 8+ student startups on EV conversion and solar systems.

Conclusion

Centurion University has emerged as a model campus for clean energy transition. By integrating renewable energy, efficiency upgrades, student innovation, and community engagement, the University is advancing SDG 7 while contributing to SDG 13 (Climate Action) and national clean energy goals. The progress achieved highlights Centurion University’s role as a hub of sustainable innovation and responsible energy use.



SDG 8: Decent Work and Economic Growth

Executive Summary

Centurion University was established with the mission “Shaping Lives, Empowering Communities.” Its unique model integrates education, employability, and entrepreneurship, enabling regional development in Odisha’s aspirational districts including Gajapati, Rayagada, Balangir, and Ganjam. The university aligns its institutional goals with the United Nations Sustainable Development Goals, particularly SDG 8 – Decent Work and Economic Growth, which calls for sustained, inclusive, and sustainable economic growth, full and productive employment, and decent work for all.

Key Objectives under SDG 8

- Promote productive employment and entrepreneurship.
- Reduce inequalities in income and opportunities.
- Empower women, tribal, and marginalized communities.
- Foster innovation and Industry 4.0 skills.
- Build sustainable local economies through education and enterprise.

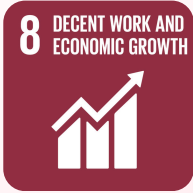
Institutional Employment Practices (Indicators 8.2.1 – 8.2.9)

Centurion University’s employment framework upholds international labour standards, emphasizing fair wages, equality, and human rights.

Highlights:

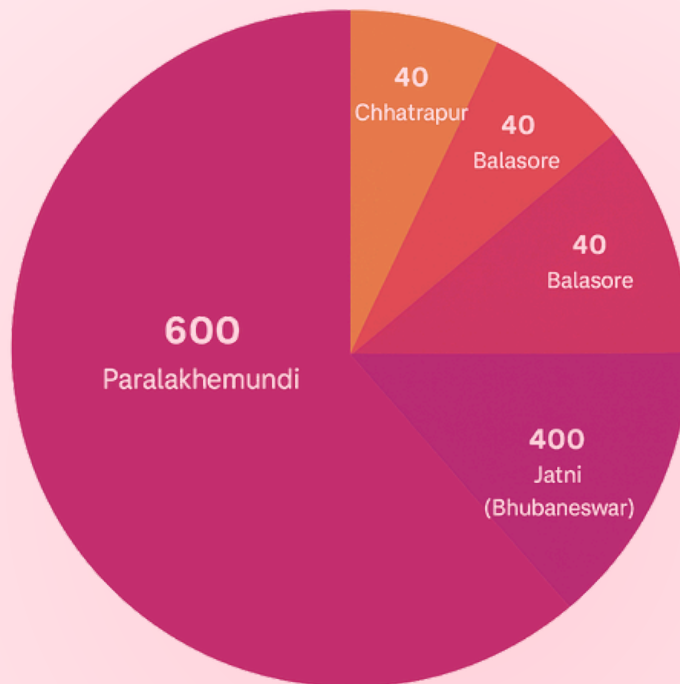
- **Living Wage Policy:** All staff earn above Odisha’s statutory minimum wage.
- **Union Recognition:** Centurion University respects the right to collective bargaining and free association.
- **Anti-Discrimination Policy:** Ensures inclusivity regardless of gender, caste, age, or religion.
- **Zero-Tolerance for Modern Slavery:** Strict adherence against child labour, forced labour, or human trafficking.
- **Outsourced Workforce Equality:** Contract workers receive equivalent rights and protections.
- **Pay Scale Equity:** Annual audit maintains gender pay gap under 3%.
- **Employee Grievance Portal:** Digital system launched in 2022 ensures transparency and accountability.
- **Labour Rights Integration:** Formalized through HR policy and MoUs with partner industries.

Sub-Indicator	Implementation (%)
Living Wage	100%
Union Recognition	100%
Anti-Discrimination	100%
Modern Slavery	100%
Outsourcing Rights	100%
Pay Scale Equity	100%
Gender Pay Tracking	100%
Appeal Process	100%
Labour Rights	100%



Direct Employment Creation (2010–2024)

Centurion University’s six campuses collectively employ over 1,100 staff across teaching, administration, technical, and support roles. Local recruitment from underserved communities ensures that economic benefits remain within the region.



Employment Distribution (2024)

- Faculty and Researchers – 420
- Technical and Laboratory Staff – 210
- Administrative Personnel – 300
- Support Services and Maintenance – 170

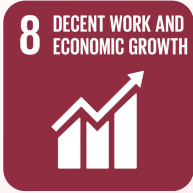
Centurion University also encourages re-skilling of existing staff through professional development and digital literacy programs.

Indirect Employment and Skill Ecosystem

Flagship Livelihood Initiatives

Gram Tarang Employability Training Services (GTETS):

- 21,000 youth trained annually
- 80% placement rate in manufacturing, logistics, construction, and renewable energy



Lernern Platform:

- Digital “earn-while-you-learn” system
- 35+ industry partnerships for apprenticeships
- GT Inclusive Development Services (GTIDS):
- 15 million rural beneficiaries reached
- 10,000+ financial inclusion agents across 15 states

GT Tech & UMBC:

- Promotes urban micro-enterprise and digital livelihoods
- 300+ micro-businesses supported
- Apparel Manufacturing Unit (Aussie Brand):
- Employs differently-abled youth
- Over 50,000 trained since 2014

Social Enterprises and Entrepreneurship (CIEC)

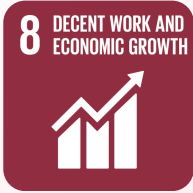
The Centre for Innovators, Entrepreneurs, and Commercialisation (CIEC) acts as the incubation hub at Centurion University, fostering innovation, start-ups, and local enterprises.

CIEC Achievements:

- 74 start-ups incubated
- 400 direct jobs and 1,000+ indirect livelihoods generated
- 120 women entrepreneurs supported (through FICCI-FLO partnership)
- 8 incubation and production units across campuses

Focus areas: agri-tech, renewable energy, waste management, and food processing

These ventures embody SDG 8.3 - promoting development-oriented policies supporting entrepreneurship and innovation.

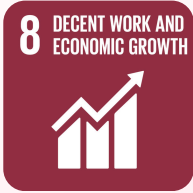


Sectoral Skill Development Programs

Sector	Key Skills	Annual Trainees
Agriculture & Food Processing	Organic farming, hydroponics, value addition	5,000+
Construction & Renewable Energy	Solar PV, plumbing, green building design	4,000+
ICT & Electronics	IoT, robotics, drone technology, AI	6,000+
Healthcare	Nursing, medical lab tech, telemedicine	2,500+
Handicrafts & Apparel	Tailoring, weaving, embroidery	3,500+

Quantitative Impact Summary (2010–2024)

Impact Area	Achievement	SDG Linkage
Direct Employment	1,100	8.5
Indirect Employment	3,500	8.5
Skill Training Beneficiaries	800,000	8.6
Active Start-ups	74	8.3
Industry Partnered Labs	54	8.2
Female Workforce Share	~40%	5.5 ↔ 8.5
Households Benefited	5,000+	1.2 ↔ 8.5

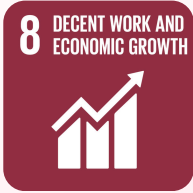


Case Studies Snapshot



Future Roadmap (2025–2030)

Objective	Target by 2030
Student Industry Placements	50% participation
Active Start-ups	120+
Annual Skill Trainees	35,000+
Digital Employment Tracking	100% coverage
Gender Pay Parity	Full compliance
Sustainable Enterprises	60% of incubated start-ups to be green

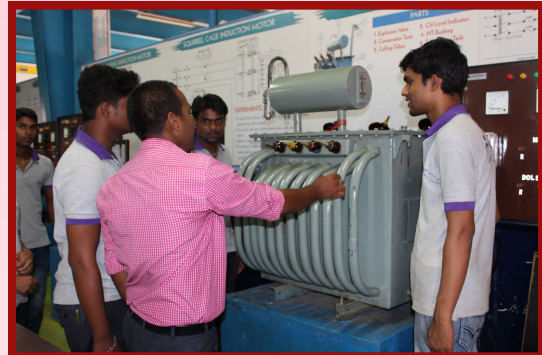


Primary SDG Relevance

- **SDG 1 – No Poverty:** Steady income for first-generation workers reduces poverty.
- **SDG 5 – Gender Equality:** Expanding women’s employment and leadership.
- **SDG 9 – Industry, Innovation & Infrastructure:** Establishing Industry 4.0 labs and start-up ecosystem.
- **SDG 10 – Reduced Inequalities:** Empowering tribal and marginalized groups.
- **SDG 11 – Sustainable Communities:** Campus-linked micro-economies revitalizing rural regions.
- **SDG 12 – Responsible Production:** Promoting circular economy and waste-to-wealth ventures.
- **SDG 16 - Peace, Justice and Strong Institutions:** Ensures fair labour rights and ethical governance in employment practices.

Conclusion

Centurion University’s contribution to SDG 8 exemplifies how a university can become a driver of inclusive economic transformation. Through its “learning through production” approach, social enterprise network, and gender-inclusive employment policies, the institution redefines higher education as a vehicle for sustainable livelihoods. By 2030, Centurion University envisions an ecosystem where every student becomes a change agent, empowered with skills, purpose, and decent work opportunities that uplift communities and strengthen the nation.





SDG 9: Industry, Innovation and Infrastructure

Executive Summary

Centurion University continues to pioneer India's vision for SDG 9: Industry, Innovation, and Infrastructure, transforming education into enterprise and innovation into tangible, sustainable and scalable impact. Through its 6 campuses, 40 rural outreach centres, 15,000 students, and 1,800 faculty and staff, Centurion University has built a unique “education-to-enterprise” ecosystem that integrates learning, research, production, and entrepreneurship into one seamless model of inclusive, sustainable industrialisation.

Recognised by the Ministry of Skill Development and Entrepreneurship, Government of India as a Centre of Excellence, Centurion University is redefining the future of skill-integrated higher education. Its 52+ industry-sponsored labs, 30+ production units, and 138+ partnerships with leading organizations - including Schneider Electric, Dassault Systems, Ashok Leyland, and Yamaha - serve as live laboratories for students, enabling them to co-create innovative, market-ready solutions that contribute directly to India's industrial and technological advancement.

Between 2021 and 2024, the University's innovation output has grown exponentially:

- 74 active start-ups (up from 51 in 2021) through the Centre for Innovators, Entrepreneurs and Commercialization (CIEC).
- Industry research income grew from ₹35 crore in 2021–22 to ₹73 crore in 2023-24, reflecting a 108% increase in industry trust and collaboration.
- Over 100+ patents filed, and 2,155 SDG-linked publications earning 15,075 citations, reinforcing Centurion University's position as a national research leader.
- A growing academic community, with 605 faculty in 2024, driving innovation across STEM, healthcare, and humanities.

Centurion University's innovation ecosystem extends far beyond campus boundaries. Through its Gram Tarang Group of Enterprises, it transforms knowledge into livelihood and inclusion:

- GTET has trained 300,000 youth across 32 locations, achieving 80% placement across 200 companies.
- GTIDS operates across 14 states, deploying 8,500 financial inclusion agents and disbursing ₹400 crore in microfinance loans to rural women and entrepreneurs.
- GT Tech pioneers AR, VR, AI, and robotics applications across agriculture, mining, and design - empowering 10,000 farmers with digital tools.
- Gram Tarang Foods and Vocational Education & Training Units create green jobs through local production, bio-based industries, and export-ready value chains.
- Innovation-driven enterprises such as SUPERBEE Aeronautics (drones), Skyy Rider EVs, and GT Transformers embody the University's commitment to “Make in India” and “Skill India”, while student-led initiatives turn ideas into scalable, sustainable ventures.



Through Centurion's Research Centres - spanning smart infrastructure, data science, agri-tech, biotechnology, renewable energy, and advanced manufacturing - the University has created a robust applied research network. State-of-the-art facilities such as the AR/VR Lab, 3D Printing Lab, Smart Agriculture Centre, Biochar and Bioenzyme Units, and Speed Breeding Chambers foster next-generation innovation aligned with the Fourth Industrial Revolution (Industry 4.0).

The University's Waste-to-Wealth and Biochar programs demonstrate how sustainability and innovation intersect, converting waste into renewable products while reducing environmental impact. Similarly, the Applied Entrepreneurship and Learning Program (AELP) embeds enterprise-led learning within curricula, allowing students to operate real production units that link academic credit to economic output.

Centurion University's infrastructure is equally forward-looking - smart, green, and inclusive. Each campus integrates renewable energy, sustainable waste management, water harvesting, and zero-pollution principles, ensuring that growth remains climate-resilient. Through these multidimensional efforts, Centurion University is not just aligning with SDG 9v- it is embodying it. By bridging academics, industry, and community, Centurion University demonstrates how innovation, when driven by purpose, can build resilient infrastructure, inclusive growth, and sustainable futures.

Key Highlights

Innovation Ecosystem

- 24 Research Centres
- 11 Centres of Excellence
- 30+ Live Labs
- 52+ Industry-Sponsored Labs

Focus areas include: AI, drones, AR/VR, biotechnology, smart agriculture, and renewable energy.



Entrepreneurship and Start-ups

- 74 university spin-offs by 2024 (up from 6 in 2021)
- Dedicated Center for Innovators, Entrepreneurs, and Commercialization (CIEC) supporting early and micro enterprises, with special programs for women entrepreneurship.

Skill and Social Enterprises (Gram Tarang Group)

- GTET: Trained 8 lakh youth in India with 80% placement rate
- GTIDS: Enabled financial inclusion for 1.8 crore accounts in 14 states
- GT Hitech: Implements 4IR technologies (AR, robotics, automation, AI)
- GT Foods, GTUET, UMBU: Create livelihood at rural and urban levels through value-added production and entrepreneurship



Inclusive and Sustainable Infrastructure

- Waste-to-Wealth Lab: Bioenergy and Biocarbon Units
- Smart Agriculture: Green pollution-free farming with rainwater harvesting, bio-fertilizer processes, and renewable energy systems

Research and Innovation Impact

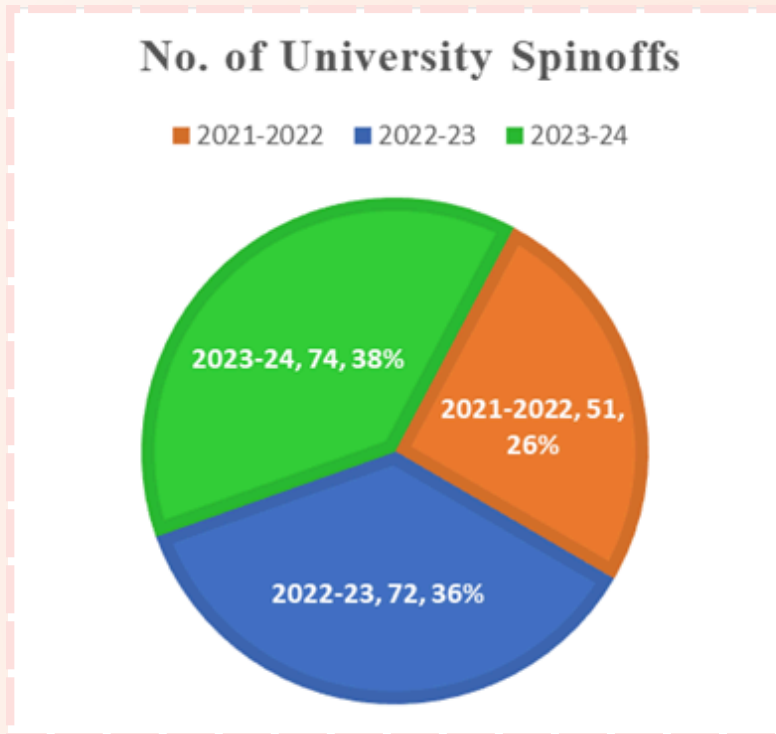
Projects include:

- Insulin pump prototype
- Smart railway gate
- Drone-based agriculture
- Low-GI “Daiiff Rice”
- Multi-disciplinary collaboration across health, agriculture, and engineering sectors

Category	Metric	Achievement
Campuses & Centres	Total campuses	6
Rural outreach centres	Rural outreach	40
Industry-sponsored labs	Industry-sponsored labs	52+
Research centres	Patents filed	50+
Innovation & Research	University start-ups (2024)	74
Entrepreneurship	Industry income (2023–24)	₹73 crore
Employment & Skill Development	Youth trained by GTET	8 lakh
Technology & Production	Placement rate	0.8
Agriculture drones	Agriculture drones deployed	168
EVs produced (Skyy Rider)	EVs produced (Skyy Rider)	Growing year-on-year
Infrastructure & Innovation Units	Industry units generating revenue	₹150 crore

Progression

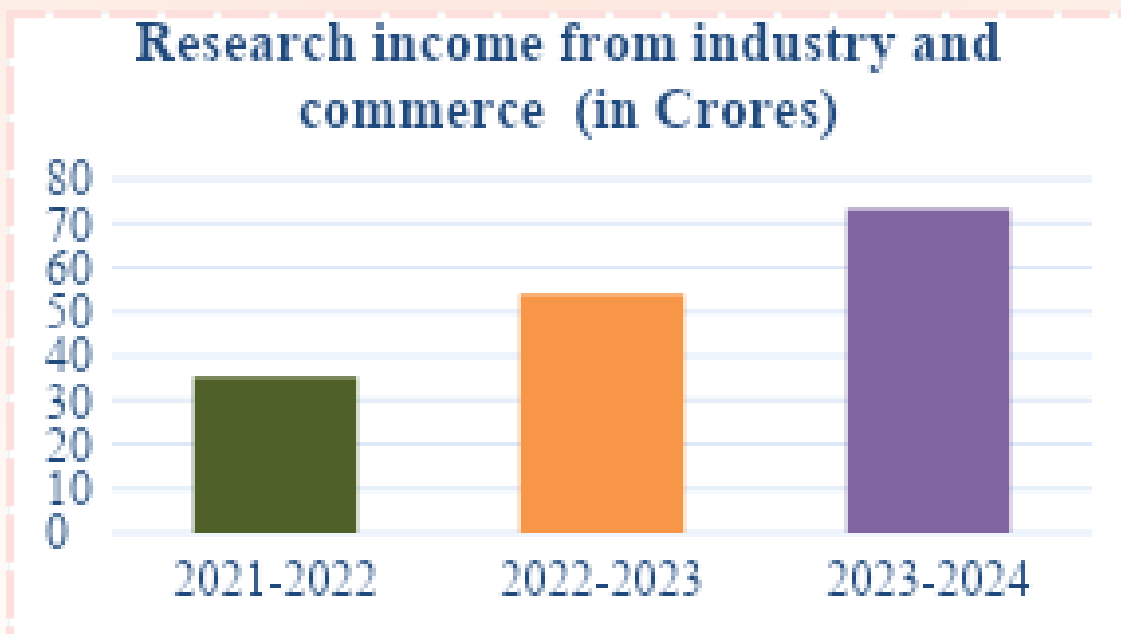
“Nurturing Ideas into Enterprises: Yearly Growth of University Spin-offs.”



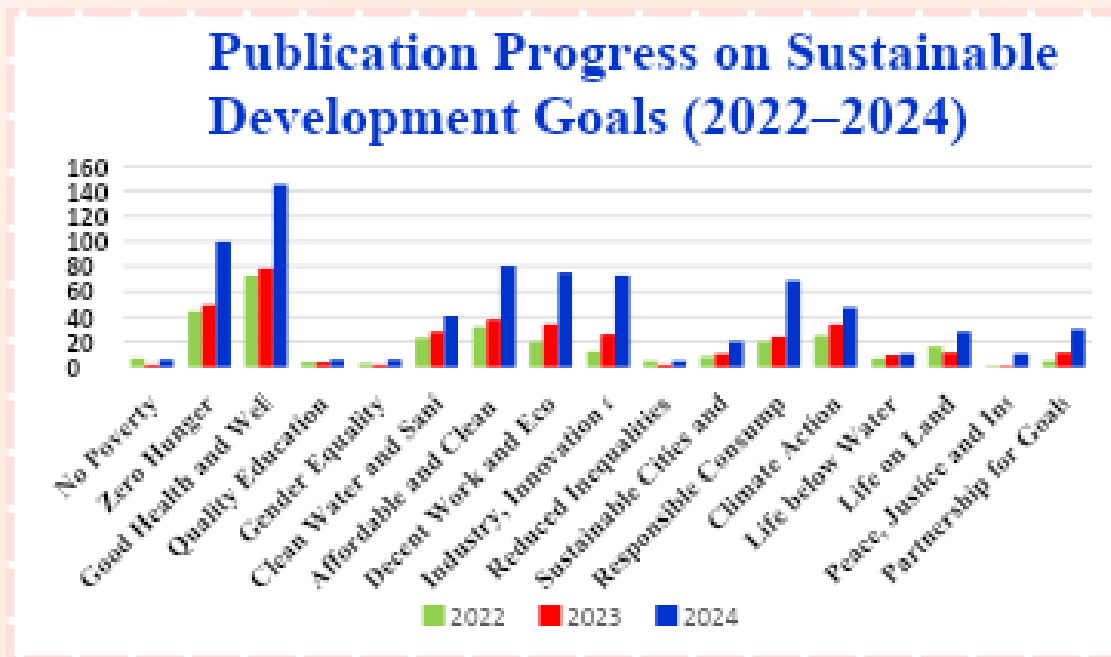
The number of university spinoffs increased consistently from 51 in 2021–2022 (26%) to 72 in 2022–2023 (36%), and further to 74 in 2023–2024 (38%), highlighting the University’s expanding innovation ecosystem.

This growth demonstrates Centurion University’s commitment to fostering research translation, technology commercialization, and the creation of sustainable start-ups through its Centres of Excellence, Industry-Sponsored Labs, and the Centre for Innovators, Entrepreneurs and Commercialization (CIEC), thereby strengthening industrial innovation and regional economic infrastructure.

Fueling Innovation: Year-on-Year Growth in Industry-Linked Research. Progression - Year wise



The upward trend demonstrates the university’s growing engagement with industry, particularly in STEM (Science, Technology, Engineering, and Mathematics) domains. The steady increase in income reflects enhanced trust from the private sector in the institution’s research capabilities, its alignment with industry needs, and its ability to deliver innovative, real-world solutions through collaborative research.



The Graph “Publication Progress on Sustainable Development Goals (2022–2024)” depicts Centurion University’s growing research engagement across all 17 SDGs over the three-year period. This progress underscores Centurion University’s strategic focus on generating impactful knowledge that supports national and global development priorities aligned with the United Nations’ 2030 Agenda.



Education to Sustainable Enterprise

The circular flow cycle culminates in sustainability, ensuring that the process continuously contributes to long-term social, economic, and environmental well-being. The interconnected arrows highlight Centurion University’s holistic ecosystem where learning, research, and enterprise development work together to achieve inclusive and sustainable growth.



Primary SDG Relevance

- **SDG 1 - No Poverty:** Innovation-driven rural enterprises creating sustainable livelihoods.
- **SDG 4 - Quality Education:** Integration of hands-on learning, incubation, and research in technology and industry.
- **SDG 8 - Decent Work and Economic Growth:** Skill development and entrepreneurship fostering inclusive economic growth.
- **SDG 12 - Responsible Consumption and Production:** Adoption of circular economy and sustainable production models.
- **SDG 13 - Climate Action:** Promotion of low-carbon technologies and climate-resilient infrastructure.
- **SDG 17 - Partnerships for the Goals:** Strengthened collaborations with government, industry, and academia to drive innovation-led growth.

Conclusion

Centurion University's innovation ecosystem driving inclusive growth and sustainable industrialization through its integrated approach by linking skill, science, and sustainability. Centurion University transforms rural and urban communities' alike. From drones revolutionizing agriculture to women-led microenterprises in urban slums, and from AI-driven smart infrastructure to bio-circular economy innovations, Centurion University demonstrates that education can power industry while preserving sustainability. Its achievements under SDG 9 reaffirm its role as a pioneer in industry-linked education and social innovation "Where Innovation Meets Impact, and Infrastructure Fuels Sustainable Futures."



SDG 10: Reduced Inequalities

Executive Summary

Centurion University champions SDG 10: Reduced Inequalities by creating a learning ecosystem where inclusion, equity, and dignity are embedded into every level of education, employment, and community engagement. The University ensures that access to opportunity is not determined by gender, geography, disability, or economic background.

Through its comprehensive Equity, Diversity, and Inclusion (EDI) Framework, Centurion University integrates non-discriminatory admissions, inclusive recruitment, accessible infrastructure, and targeted mentoring to advance social mobility and equity. This institutional approach ensures that students from marginalised and underrepresented backgrounds can learn, thrive, and lead with confidence.

In 2024, nearly 70% of students enrolled were from SC/ST/OBC/SEBC communities, and 50% were first-generation learners, illustrating Centurion University's pivotal role in democratising higher education. More than half of all students received scholarships or fee waivers, while 1,200 tribal youth and 50 differently-abled students were trained in inclusive employability programs. Additionally, 34% of the workforce comprises women, and 5% of faculty and staff identify as members of marginalised communities.

Centurion University's commitment to accessibility is reflected in its barrier-free campuses, featuring ramps, elevators, Braille-enabled software, sign language interpretation, and assistive technology labs. In collaboration with SVNIRTAR and the Department of Empowerment of Persons with Disabilities, Centurion University is advancing toward 100% accessibility certification across all campuses.

The University's Equity, Diversity, and Inclusion Committee, chaired by Dr. Smita Mishra Panda, provides strong governance and ensures alignment with national and global standards for inclusive higher education. Regular faculty training - reaching over 210 educators- and peer mentoring programs involving 3,000 students reinforce the culture of equal opportunity.

Beyond campus, Centurion University's skill and livelihood programs create equitable pathways to employment. The Gram Tarang ecosystem equips underprivileged, tribal, and differently-abled individuals with practical, market-linked skills, fostering self-reliance and economic empowerment. Over 2,000 individuals benefited from inclusive training programs in 2024, strengthening community resilience and financial inclusion.

By linking education with access, Centurion University exemplifies how academic institutions can drive systemic change to reduce inequality. Its initiatives contribute directly to SDG 10 targets (10.2–10.6) and intersect meaningfully with SDG 4 (Quality Education), SDG 5 (Gender Equality), and SDG 8 (Decent Work and Economic Growth).

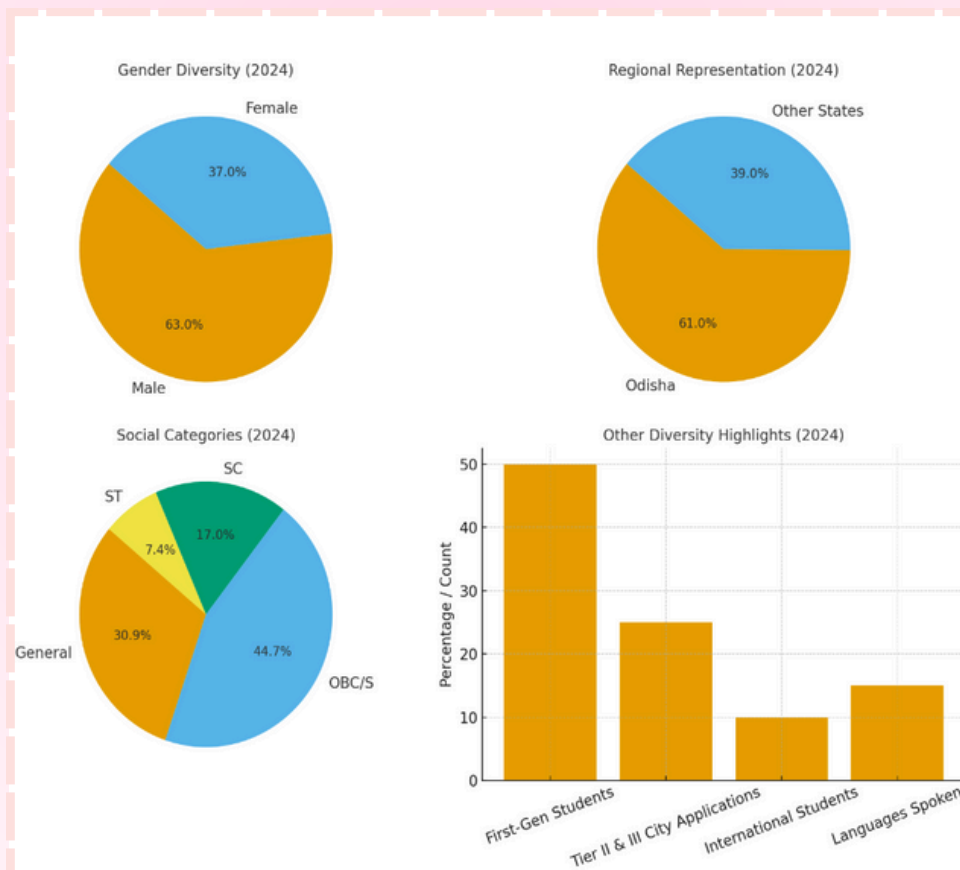


Institutional Policy Framework

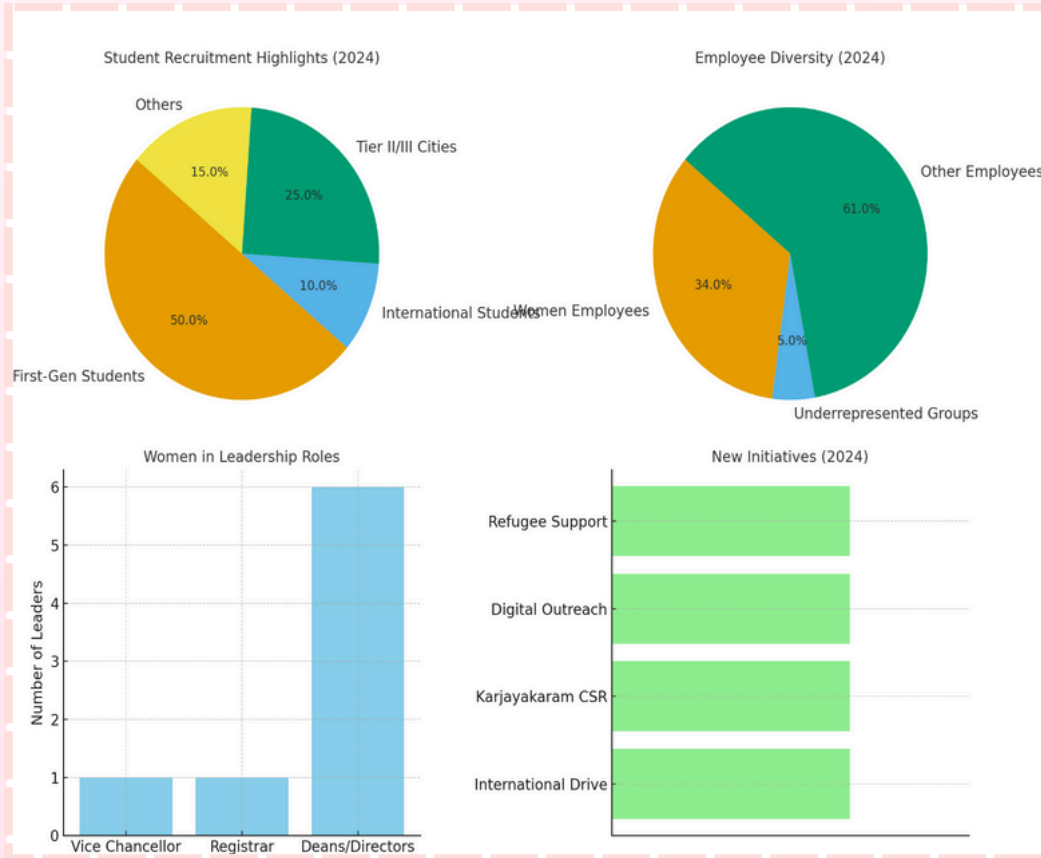
Centurion University operates under a transparent, non-discriminatory admissions policy ensuring equitable representation. The University also tracks gender, region, and socioeconomic diversity annually, while faculty and staff recruitment incorporates bias-free training and inclusive advertisements.

Diversity, Equality & Inclusion Governance

The Equity, Diversity & Inclusion (EDI) Committee, chaired by Dr. Smita Mishra Panda, includes faculty, students, community representatives, and accessibility experts. Quarterly reviews ensure policy implementation and inclusivity practices across campuses.



Centurion University Diversity and Inclusion Snapshot (2024)



Centurion University Diversity and Inclusion Dashboard

Accessibility and Disability Inclusion

Centurion University ensures barrier-free and inclusive campuses through the provision of ramps, elevators, tactile pathways, and well-equipped assistive technology labs. The university also facilitates access to personal assistants, sign language interpreters, and specialized learning aids to support students with diverse abilities. The University also offers mentorship programs to empower differently-abled students, promoting equal participation, independence, and holistic development across all academic and extracurricular activities.





Outcomes & Impact (2024–25)

Domain	Outcome Highlights
Policy & Governance	Revised EDI Policy (2024); diversity integrated into all academic and HR processes.
Access & Participation	69% students from underrepresented backgrounds; 37% female enrollment.
Mentoring & Capacity Building	210 faculty trained on inclusivity; 3000+ students in peer support programs.
Accessibility	100% campus barrier-free certification initiated with SVNIRTAR.
Employment & Livelihoods	2,000 trainees benefitted through inclusive skill programs.

Primary SDG Relevance

- **SDG 1 - No Poverty:** Promoting inclusive growth through scholarships, skill training, and livelihood programs for marginalized groups.
- **SDG 4 - Quality Education:** Ensuring equitable access to quality education and vocational learning for first-generation learners.
- **SDG 5 - Gender Equality:** Advancing women’s empowerment through education, entrepreneurship, and leadership initiatives.
- **SDG 8 - Decent Work and Economic Growth:** Creating fair employment opportunities through inclusive skilling and industry linkages.
- **SDG 9 - Industry, Innovation and Infrastructure:** Expanding innovation ecosystems that enable access to technology and enterprise for all.
- **SDG 16 - Peace, Justice and Strong Institutions:** Upholds justice and inclusion for marginalized, tribal, and differently-abled groups
- **SDG 17 - Partnerships for the Goals:** Collaborating with government, NGOs, and international partners to promote social equity and inclusion.

Conclusion

Centurion University’s SDG 10 strategy demonstrates that reducing inequalities is a moral and developmental imperative. Through data-driven governance, inclusive pedagogy, and accessible infrastructure, Centurion University continues to model an equitable academic ecosystem.



SDG 11: Sustainable Cities and Communities

Executive Summary

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Quantitative Impact Summary (2024)

Dimension	Key Outcomes
Environmental	<p>CO₂ reduction: ~1,810–2,080 tCO₂e</p> <ul style="list-style-type: none"> • 54.9% renewable share • 22% energy gain • 18% water saving
Cultural & Community	<p>25,000+ people engaged</p> <p>10,000+ event participants</p> <ul style="list-style-type: none"> • 555 housing beneficiaries • 300+ artisans & farmers supported
Financial	<p>₹4 crore invested in arts & heritage out of 239.24 crore</p> <ul style="list-style-type: none"> • ₹10 lakh in energy efficiency • Ongoing sustainability investments

Cultural Heritage and Public Access

Centurion University functions as a regional cultural and educational hub ensuring universal access to heritage, learning, and green spaces.

- **Cultural Infrastructure:** Over 1,200 visitors accessed heritage buildings; 10+ public events including the annual Temple Illumination Ceremony and Deep Mahotsava 2024 (6,500 participants, 100,000 lamps). The Heritage Club (INTACH partnership) and the Rural Technology Park trained 165 artisans through 35 programs.
- **Libraries and Museums:** Free and paid access to over 2 lakh books, specialized research databases, and remote access for 300 PhD scholars. 1,200 visitors explored campus museums; Open Days engaged 1,510 students from 18 schools; STEM Camps and Pollinator Tours enhanced youth participation.
- **Green and Cultural Spaces:** 10,000 saplings planted, 3 pollinator gardens, 5 fish ponds (~8 acres), and community tree drives with 650 participants. The Organic Farmers' Market drew 1,200 visitors/month supporting 40–50 farmers. Clean-up and eco-walk programs involved 900 participants and removed 1.2 tons plastic waste.



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- **Cultural Preservation:** Documentation of 6 local languages, 72 oral histories, and 28 ritual practices across 15 tribal communities. Workshops trained 260 artisans; International Mother Language Day and Gajajyoti 2024 showcased local art and linguistic diversity. Financial allocation: ₹97.92 crore invested in arts & heritage out of 244.79 crore, utilized in FY 2024-25 for heritage expansion and community outreach.

Sustainable Infrastructure and Mobility

Centurion University advances green infrastructure and low-carbon mobility.

- **Energy and Transport:** ₹10 lakh investment in LED, HVAC, and solar-hybrid lighting upgrades. 10 EVs for internal transport, 14 buses for staff and students, and campus-wide pedestrian and cycling networks. 6,500 EV trips replaced 4,800 fuel-based trips—cutting incidents by 35%. Upcoming additions: EV charging stations and bike-sharing systems (2025-26 targets).
- **Digital and Hybrid Work:** 65% faculty telecommuted 2–3 days/week, saving 14,000+ travel-days annually. Virtual classrooms and Slack integration reduced emissions and improved collaboration.

Inclusive Housing and Community Partnerships

- **Affordable Housing:** 555 beneficiaries (420 students, 135 employees) in on-campus accommodation at 25–40% below market rates. Outcomes: 45-minute shorter commutes, 5–7% better academic results, 12% increase in staff engagement, and high satisfaction levels.
- **Community Collaboration:** Joint projects with local authorities enhanced traffic management, green access, and connectivity for 1,200 residents. 85% of surveyed locals reported improved amenities due to Centurion University's campus-community planning.



Green Buildings and Brownfield Development

- **Sustainable Construction:** 18,500 m² of new facilities meet IGBC/ECBC 2017 standards, using 75% eco-materials. Achievements: 22% energy efficiency gain, 18% water savings, and ~1,200 tCO₂e annual reduction. Renewable energy share reached 54.9% of total consumption.
- **Brownfield Redevelopment:** 12,000 m² of existing land repurposed at Paralakhemundi and Bhubaneswar—saving 360–630 tCO₂e embodied emissions and conserving 8 acres of greenfield land. Projects delivered 30% faster, with strong community employment benefits.

SDG Primary Relevance

- **SDG 6 - Clean Water and Sanitation:** Implementing sustainable water management and wastewater reuse systems across campuses.
- **SDG 7 - Affordable and Clean Energy:** Expanding solar infrastructure and energy-efficient technologies in campus design.
- **SDG 9 Industry, Innovation and Infrastructure:** Integrating green building standards and resilient infrastructure development.
- **SDG 12 - Responsible Consumption and Production:** Promoting waste segregation, recycling, and circular campus models.
- **SDG 13 - Climate Action:** Designing disaster-resilient campuses and climate-adaptive community infrastructure.
- **SDG 17 - Partnerships for the Goals:** Collaborating with local governments and industry partners for sustainable urban and rural planning.

Conclusion

Centurion University's 2024 SDG 11 initiatives exemplify how a university can serve as a catalyst for sustainable and inclusive urban growth. Through integrated strategies in infrastructure, culture, and community development, Centurion University has achieved tangible social, environmental, and economic outcomes—ranging from carbon reduction and renewable energy leadership to cultural revitalization and affordable housing.

The university's Net Zero by 2035 pathway, continued EV and heritage expansion plans, and enduring engagement with local communities reinforce its status as a model institution for sustainable development within higher education.



SDG 12: Responsible Consumption and Production

Executive Summary

Centurion University leads by example in advancing SDG 12: Responsible Consumption and Production, embedding circular economy principles, renewable energy integration, and sustainable resource management across all its campuses. Guided by its vision to connect learning with sustainable living, the University has developed a comprehensive “Waste-to-Wealth” ecosystem that transforms waste into valuable resources, reduces emissions, and empowers communities with practical knowledge in responsible production.

In 2024, Centurion University achieved 92.6% waste recycling and reuse, processing 547.9 tons of waste out of 591.74 tons generated, and diverted nearly all biodegradable waste from landfills. Its integrated waste management system avoided approximately 1,450 tonnes of CO₂ emissions annually and maintained a 54.9% renewable energy share through solar and biogas utilisation. More than 600 students and community members received hands-on training in waste management, sustainable agriculture, and bio-resource innovation, strengthening capacity for responsible consumption.

The University’s circular resource management model spans organic, non-biodegradable, and biomedical waste streams. Biodegradable waste from hostels, canteens, farms, and gardens is repurposed through composting, vermicomposting, bio-enzyme production, and biogas generation. In 2024, over 320 tons of food waste were processed into nutrient-rich compost, livestock feed, and Black Soldier Fly larvae - creating a zero-landfill food system. Waste paper and cloth are upcycled into handmade stationery and craft products, while plastic waste is repurposed into 210,000 durable paver blocks, reducing plastic pollution and supporting infrastructure development.

Centurion University’s innovation-driven “Responsible Production” ranges from organic research farms and biocontrol labs to hydroponics, polyhouses, spawn, lac, and apiculture units - demonstrating sustainable production in action. These facilities practice precision agriculture, biofertilizer use, renewable energy integration, and minimal waste generation, producing food and resources efficiently while providing experiential learning for students. The Smart Agriculture program utilises IoT-based monitoring, micro-irrigation, and drone applications to enhance water efficiency and climate resilience.

Beyond waste and production, Centurion University embeds responsible consumption into daily operations through solar energy use, energy-efficient lighting, mass transport systems, local food sourcing, and sustainable packaging research. Its Sewage Treatment Plants (STPs) treat and reuse over 500,000 liters of wastewater daily for agriculture and fish farming, demonstrating resource recovery and circular water use.

By linking renewable energy (SDG 7), sustainable water management (SDG 6), and climate action (SDG 13), Centurion University’s SDG 12 initiatives create a scalable blueprint for carbon-neutral campuses. The University’s Carbon Neutrality 2035 Roadmap reflects its long-term commitment to a regenerative economy that integrates environmental stewardship with academic excellence.



Impact at a Glance

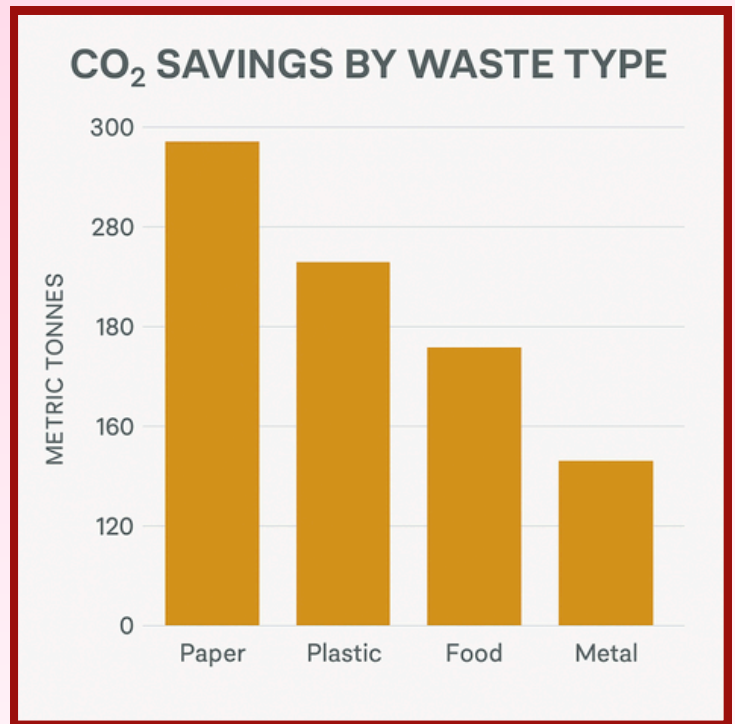
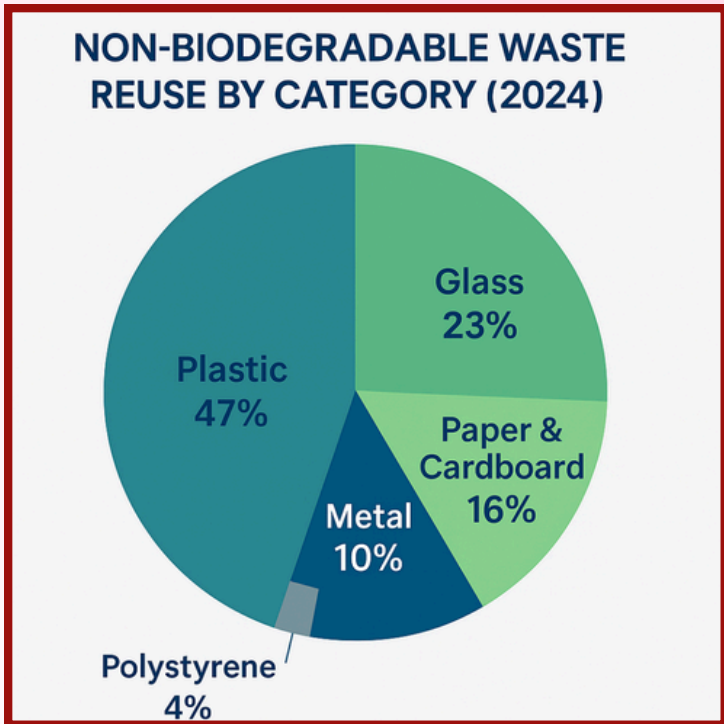
Indicator	2024 Achievement	Linked SDG
Total Waste Generated	591.74 ton	—
Waste Recycled / Reused	547.9 t (92.6 %)	12.5
CO ₂ Emissions Avoided	≈ 1 200 t CO ₂ e per year	13.2
Renewable Energy Share in Waste Units	54.90%	7.2
People Trained in Waste Management	> 600 (students + community)	4.7



Non-Biodegradable Waste Utilization

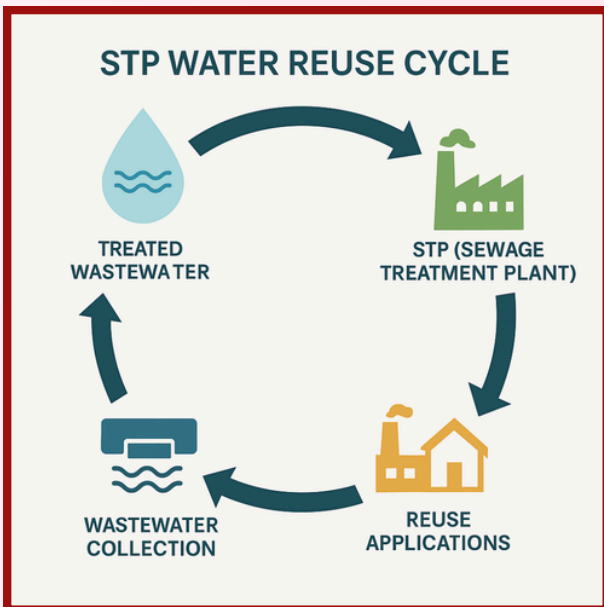
Centurion University converts plastic, metal, and paper waste into useful products:

Waste Type	Reused / Recycled Process	2024 Output	Impact
Plastic	Paver-block fabrication	25 000 units (≈ 900 kg plastic)	≈ 15 t CO ₂ e avoided
Fly-ash & Construction Waste	Eco-bricks	150 t cement equivalent replaced	≈ 120 t CO ₂ e avoided
Paper & Cardboard	Recycling / Upcycling	2 t paper reused	≈ 5 t CO ₂ e saved
Metal / Wood	Campus maintenance reuse	≈ 3 t	Material cost reduction



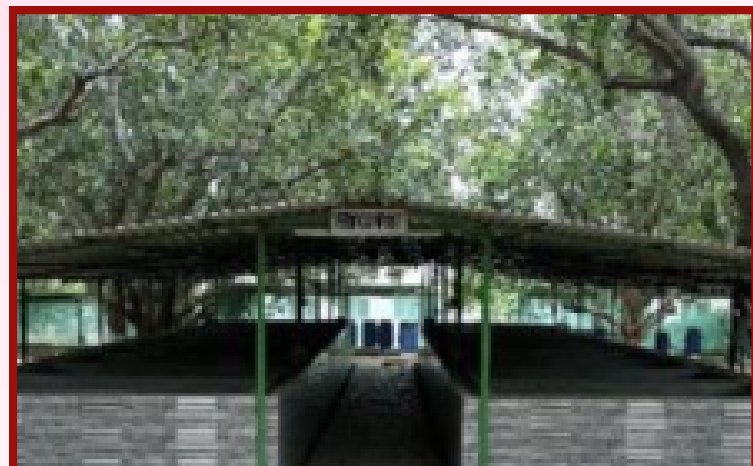
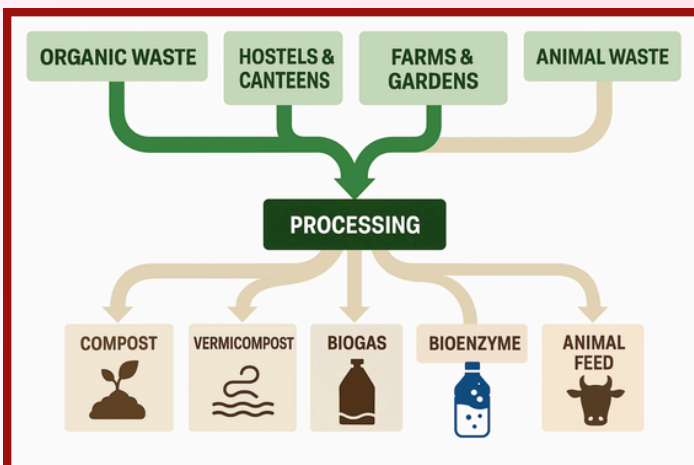
Water and Sewage Recycling

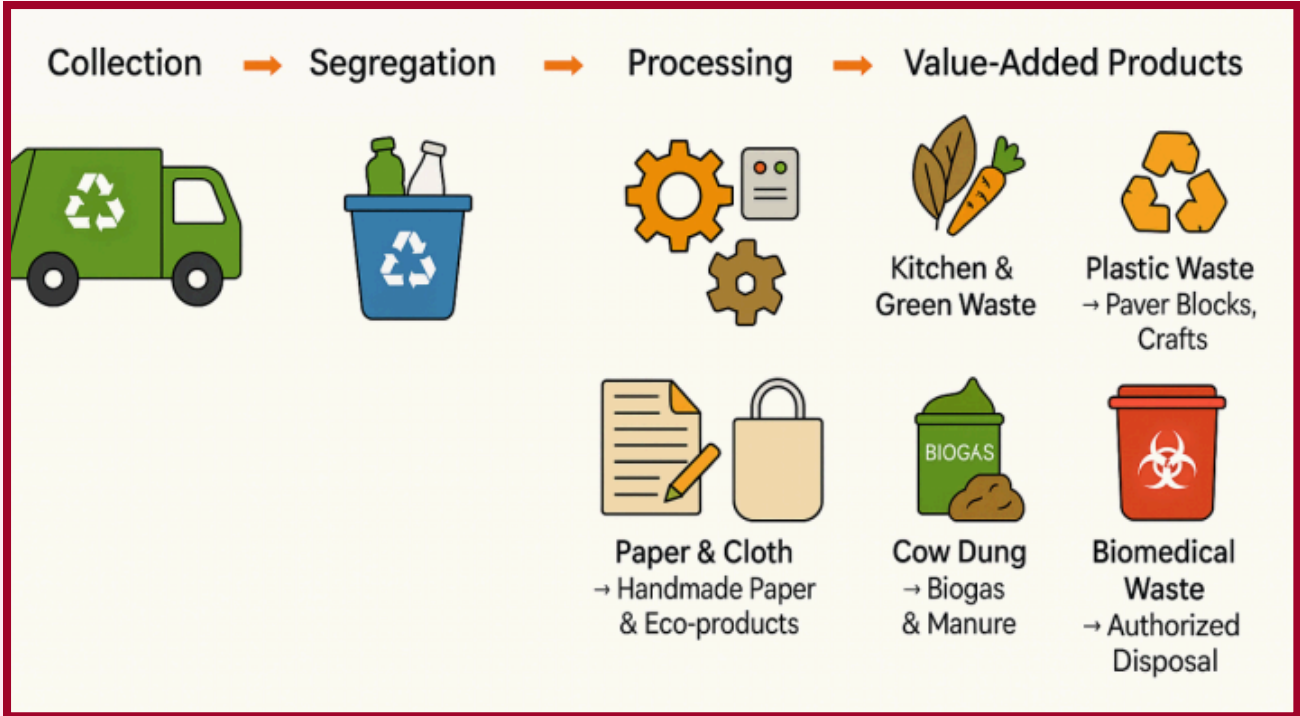
- 9 lakh litres/day treated → 5 lakh litres/day (55.6 %) reused for irrigation & gardening.
- Annual reuse ≈ 182 million litres, avoiding ≈ 95 t CO₂e from freshwater pumping.
- Integration with bio-ponds and green belts enhances campus micro-climate.



Organic Waste Management

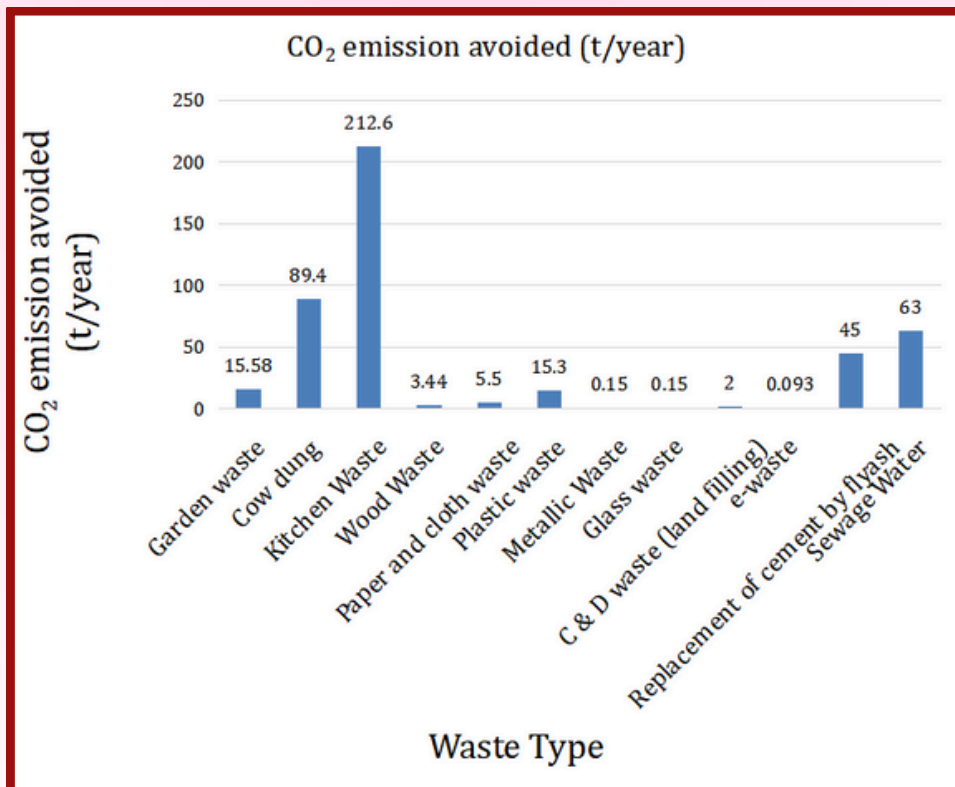
Organic waste from hostels, canteens, farms, and gardens is processed through composting, vermicomposting, biogas, and bioenzyme production.





Waste Management Flow

Quantitative Impact (2024)





Awareness, Training and Partnerships

In 2024, Centurion University conducted 12 awareness drives and 2 training programs involving over 1000 participants. Partnerships with Jatni & Paralakhemundi municipalities, Sri Ganesh Recycler, Mediaid, and Saniclean Pvt. Ltd. ensure safe disposal and recycling of all waste streams.

Renewable Energy & Responsible Consumption

- Solar panels and biogas units contribute 54.9% of campus energy.
- E-vehicle manufacturing unit promotes green mobility.
- LED lights and mass transport reduce energy demand.
- Locally sourced food reduces transport-related emissions.

Monitoring and 2025 Targets

Indicator	2025 Target
Waste recycling rate	≥ 95%
Biogas generation	≥ 40 MWh
Water reuse ratio	≥ 60%
CO ₂ reduction	≥ 600 tCO ₂ e
Training reach	≥ 1500 persons



Primary SDG Relevance

Impact Area	Linked SDG
Biogas from organic waste	7.2, 13.2
Plastic paver blocks	12.5, 13.2
Fly-ash bricks	12.2, 13.2
STP reused water	6.3, 13.2
Composting & Biochar	12.3, 13.2
Circular waste system	7, 12, 13

Conclusion

Through systematic waste reduction, material recovery, and renewable energy integration, Centurion University exemplifies SDG 12 in practice. The University's circular systems link carbon reduction (SDG 13), renewable energy (SDG 7), and water efficiency (SDG 6), creating a replicable model for sustainable higher education campuses.



SDG 13: Climate Action

Executive Summary

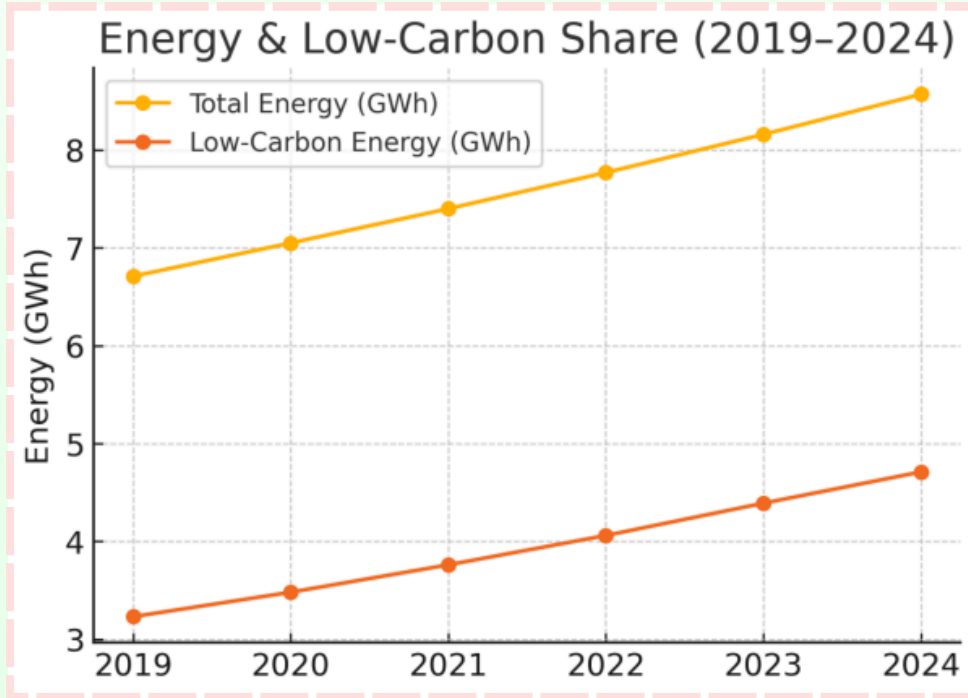
Centurion University recognises that addressing climate change is not only an environmental necessity but a moral imperative. In alignment with the Paris Agreement and the United Nations 2030 Agenda, the University is advancing SDG 13: Climate Action through a comprehensive, data-driven approach that integrates education, innovation, infrastructure, and community resilience. Centurion University has established the Centurion University Climate Action Framework (CUCAF) - a strategic roadmap that commits the University to achieving net-zero carbon neutrality for Scope 1 and 2 emissions by 2035, and full carbon neutrality (including Scope 3) by 2040. The Framework embeds sustainability across operations and learning, emphasising renewable energy adoption, energy efficiency, climate education, and disaster preparedness.

In 2024, low-carbon energy accounted for 54.94% of total electricity use, a significant increase from 48.07% in 2019, achieved through LED retrofits, automation, and solar expansion across campuses. The University generated approximately 4.71 GWh of clean energy out of 8.57 GWh total consumption, verified through smart metering, annual energy audits, and the Aurassure environmental dashboard system. These initiatives are projected to raise the renewable energy share to nearly 60% by 2028, demonstrating Centurion University's measurable progress toward its climate neutrality goals. The University's campuses operate integrate solar rooftops, green buildings, biochar production, polyhouse automation, vanilla dome cultivation, and speed breeding chambers that reduce emissions while improving productivity. Energy audits, smart sensors, and weather-linked energy dashboards ensure accountability, adaptive planning, and optimized resource use. Beyond infrastructure, Centurion University drives climate literacy and capacity building through experiential learning, community-based adaptation projects, and grassroots partnerships. Students and faculty engage with local governments, NGOs, and rural communities to promote climate-smart agriculture, water conservation, and sustainable livelihoods, ensuring that academic knowledge translates into tangible environmental impact.

The University's Green Campus Initiative integrates climate-friendly transport, biodiversity restoration, and waste-to-energy models, creating a measurable reduction in emissions while cultivating long term behavioural change. Through Aurassure-enabled air quality monitoring, Centurion University also contributes to urban climate data systems that inform local planning and resilience-building. Centurion University is turning climate action into a movement - one that balances academic innovation with social and climate accountability.

Key Achievements (2019–2024)

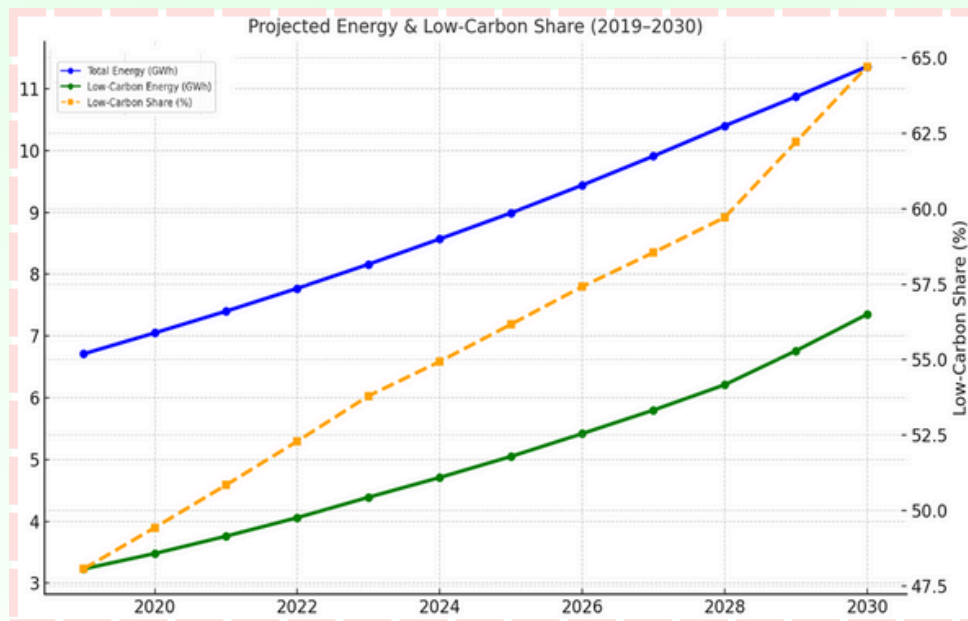
- Increased low-carbon energy share from 48.07% (2019) to 54.94% (2024).
- 150 kW rooftop solar installed across campuses.
- 1,200+ students engaged in climate and sustainability modules.
- Community initiatives: 5,000+ saplings planted, 36 kg of plastics recycled.
- Green Pioneer Award (2024) by SwitchON Foundation.



Energy & Low-Carbon Share (2019–2024)

Future Projections (2025–2030)

Energy demand is expected to grow steadily, but so will the share of low-carbon energy. By 2028, low-carbon energy will account for nearly 65% of Centurion University’s total energy use, showcasing consistent alignment with SDG 7 and SDG 13 targets.

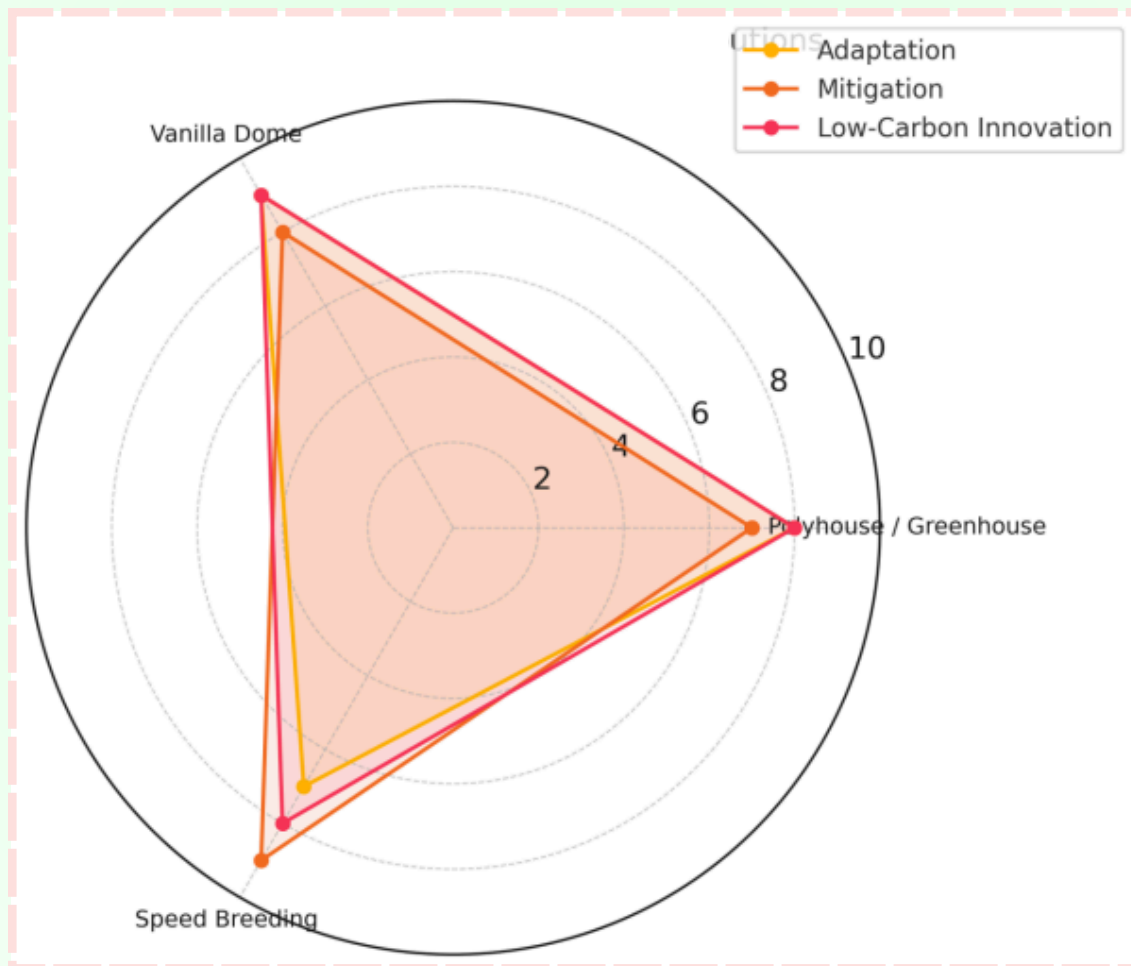


Projected Energy Use (2023–2030)

Research Innovations for Climate Action

Centurion University has pioneered automation technologies that directly contribute to climate resilience and low-carbon innovation:

- Polyhouse/Greenhouse Automation – Efficient resource management.
- Vanilla Dome Automation – Climate-resilient vanilla cultivation.
- Speed Breeding Chambers – Faster development of resilient crop varieties.



Research Innovations and SDG 13 Contributions



Path to Carbon Neutrality

Centurion University's Carbon Neutrality Roadmap is a phased approach:

- 2023: Baseline carbon footprint assessment.
- 2024: Pilot solar grids, EV bus trials, LED retrofits.
- 2028: Scope 1 neutrality.
- 2030: Scope 2 neutrality.
- 2035: Net-zero Scope 1 & 2 emissions.
- 2040: Full neutrality across Scopes 1–3.

Primary SDG Relevance

- **SDG 4 - Quality Education:** Embedding climate literacy, sustainability education, and green skills across curricula.
- **SDG 7 - Affordable and Clean Energy:** Expanding renewable energy adoption and promoting energy efficiency initiatives.
- **SDG 9 - Industry, Innovation and Infrastructure:** Advancing low-carbon technologies and climate-resilient infrastructure development.
- **SDG 11 - Sustainable Cities and Communities:** Integrating climate adaptation measures in campus and community planning.
- **SDG 12 - Responsible Consumption and Production:** Encouraging resource efficiency, waste reduction, and circular practices.
- **SDG 17 - Partnerships for the Goals:** Strengthening collaborations with national and international organizations for climate research, capacity building, and community resilience.

Conclusion

Centurion University demonstrates how higher education institutions can play a transformative role in climate action. By combining technology, education, partnerships, and community engagement, Centurion University is not only advancing SDG 13 but also reinforcing SDG 7 (Clean Energy) and SDG 11 (Sustainable Cities). This visually rich report highlights the University's measurable progress and its long-term vision for a climate-resilient future.



SDG 14: Life below Water

Executive Summary

Centurion University is committed to advancing SDG 14: Life Below Water by promoting sustainable aquaculture, restoring aquatic biodiversity, improving water quality, and creating livelihood opportunities linked to freshwater and marine ecosystems. Guided by its integrated education - research -community model, the University connects classroom learning with real-world conservation and enterprise - ensuring that water stewardship is both an academic pursuit and a community mission.

In 2024, Centurion University operated 25 functional aquaculture and water research units across campuses, directly engaging over 180 farmers, 67 women from self-help groups (SHGs), and 70 students in field-based learning and community training programs. Through its Fisheries and Ecosystem Livelihood Program (FELP) and School of Fisheries, the University advanced scientific aquaculture, sustainable pond management, and bio secure rearing systems, resulting in measurable environmental and social impact.

Key environmental indicators show significant progress in aquatic ecosystem health: Dissolved Oxygen (DO) increased by 8%, ammonia decreased by 10%, and Biological Oxygen Demand (BOD) fell by 9% compared to 2023, confirming improved water quality and reduced ecological stress. Centurion University's aquaculture models - spanning Biofloc Technology (BFT), Recirculatory Aquaculture Systems (RAS), and Aquaponics- have achieved up to 80% water reuse, 20–25% fertilizer reduction, and 12–15% lower disease incidence in shrimp, tilapia, and rohu culture systems.

These systems not only enhance biodiversity but also reduce carbon footprints. Native freshwater species such as Catlacatla, Labeorohita, Cirrhinus mrigala, and Anabas testudineus are conserved in dedicated biodiversity ponds, supporting ecological balance and providing replicable livelihood models for local communities. Centurion University's Ornamental Fisheries Unit also contributes to species preservation and entrepreneurship by training 60+ SHG women and 40 students in breeding and fish health management - reducing pressure on wild fish populations while creating new income sources.

Through community outreach across Gajapati, Srikakulam, and Ganjam districts, Centurion University has empowered over 180 farmers and facilitated the establishment of 12 small-scale aquaculture units and two farmer cooperatives for collective marketing. Livelihood incomes have increased by up to 30% for participating households.

The University's Clean Water, Clean Campus campaign further reinforces responsible production by removing 1.2 tons of plastic waste, installing 30 waste bins near campus water bodies, and supporting student innovations like plastic-to-brick prototypes for eco-friendly infrastructure.



Centurion University's Water Quality Dashboard and bi-weekly sampling framework provide real-time data on DO, pH, nutrient load, and biodiversity, ensuring transparent environmental monitoring and informed management decisions. These practices are governed by the University's Sustainable Water Discharge Guidelines (SWDG) to maintain zero-contamination standards and achieve full wastewater reuse through Sewage Treatment Plants (STPs) and irrigation recycling.

By integrating education, research, technology, and community participation, Centurion University has demonstrated that sustainable aquaculture can simultaneously restore ecosystems, enhance food security, and generate inclusive livelihoods.

Education and Awareness (2024)

CUTM integrates *Life Below Water* principles across its curriculum through experiential programs, field laboratories, and community engagement.

Key Initiatives:

- **Student-Led Water Ecosystem Projects:** 70+ students participated in FELP (Fisheries and Ecosystems Livelihood Program) and research projects on water quality monitoring and fishery innovation.
- **School of Fisheries:** Conducted awareness workshops on biodiversity, aquatic ecosystem management, and pollution control.
- **Plastic-Free Campus Drive:** Engaged student and staff volunteers in 5 major awareness campaigns for ocean and freshwater health.

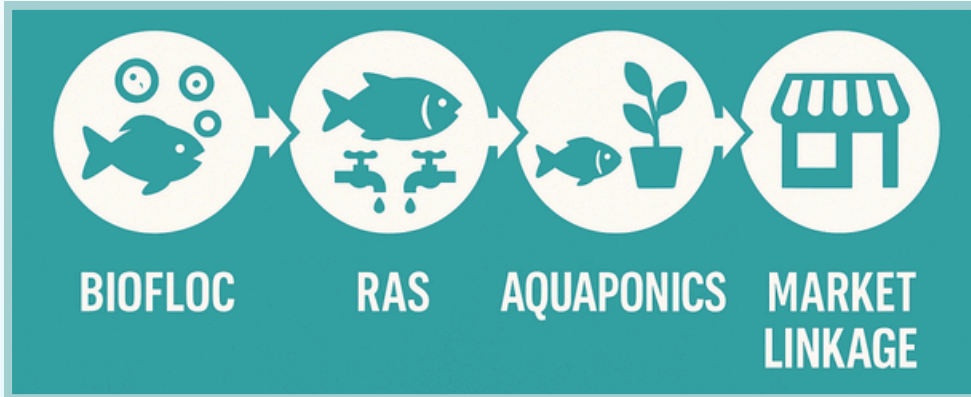
Impact:

- SDG 14 modules embedded in Environmental Studies and Sustainable Agriculture courses.
- Improved awareness of water ecosystem conservation among students and local communities.

Sustainable Aquaculture Technologies

Centurion University's aquaculture ecosystem combines Biofloc, Recirculating Aquaculture Systems (RAS), and Aquaponics for efficient resource use.

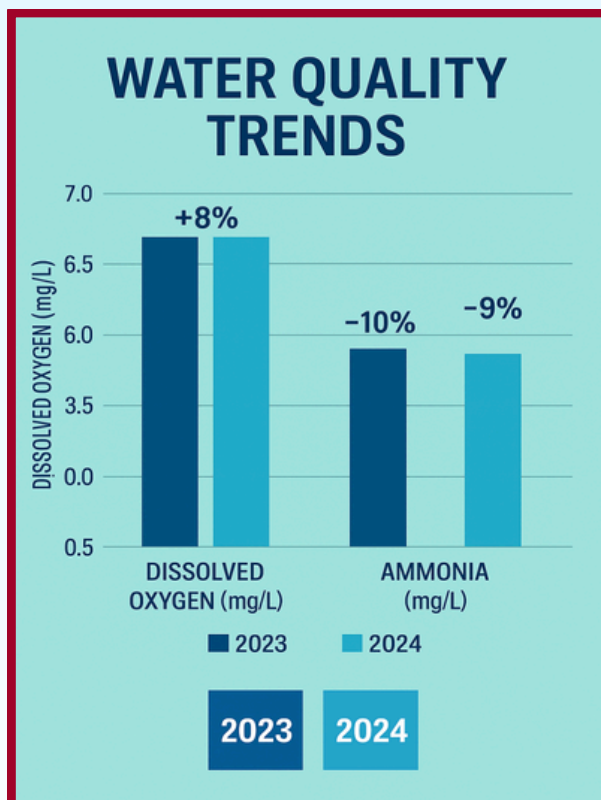
- **Water Reuse:** 80% recirculation through filtration and solar-powered aeration.
- **Biofloc System:** DO 8–9 mg/L, ammonia ↓ 10%, disease ↓ 12–15%.
- **RAS:** Closed-loop tanks with biological filters prevent nutrient discharge.
- **Aquaponics:** Fish + vegetable cultivation → 20–25% fertilizer reduction.



Community Impact: Farmers from Gajapati, Ganjam and Srikakulam adopted low-cost models for livelihood diversification.

Water Quality Monitoring and Improvement

Centurion University maintains a centralized Water Quality Dashboard for aquaculture and pond monitoring. Also, ensures zero untreated discharge through STP reuse for irrigation, directly supporting SDG 6 and 13.





Community Outreach and Livelihood Training

Over 180 farmers and 67 SHG women trained through Krishi Mela and Agri-Clinic programs in 2024. Till date from the involvement of School of Fisheries, nearly 1000+ fishers and farmers trained and their income increased to 30% than their previous income, due to the trainings.

Livelihood Outcomes: Adoption of 12 community aquaculture units and formation of two farmer cooperatives.

Waste Reduction and Plastic Awareness

- 1.2 tons of plastic waste collected and recycled.
- Installation of 30 campus-level waste bins near water bodies.
- Student innovation: plastic-to-brick prototypes for walkway construction

Primary SDG Relevance

SDG 6: Clean Water & Sanitation—through wastewater reuse and monitoring.

SDG 13: Climate Action— via low-carbon aquaculture technologies.

SDG 15: Life on Land —through biodiversity restoration.

Conclusion

Centurion University's SDG 14 framework demonstrates how higher education institutions can directly contribute to aquatic ecosystem sustainability, community livelihoods, and climate resilience. Through data-backed monitoring, technology integration, and active community engagement, Centurion University continues to make measurable progress toward preserving aquatic life and promoting sustainable livelihoods for coastal and inland communities.

“Centurion University’s model for SDG 14 blends innovation, education, and inclusion — translating research into real-world aquatic sustainability.”



SDG 15: Life on Land

Executive Summary

Centurion University remains steadfast in advancing SDG 15: Life on Land, integrating biodiversity conservation, soil restoration, sustainable farming, and community education into its teaching, research, and outreach programs. Recognising that healthy ecosystems underpin food security, climate resilience, and rural livelihoods, Centurion University's 2024 initiatives strengthened both environmental integrity and community prosperity.

Through comprehensive land and biodiversity management, the University planted 3,090 trees across five campuses, encompassing more than 80 indigenous species with a survival rate of 85%, achieving a species richness index ($H' = 3.74$)- indicative of a thriving micro-forest ecosystem. Restoration projects improved soil organic carbon by 18%, increased available nitrogen, phosphorus, and potassium by 24–55%, and enhanced soil moisture retention by 27%, confirming measurable ecosystem recovery.

Centurion University's "One Plant, One Person" campaign inspired every student to plant and nurtures a tree during their academic journey, creating a culture of environmental stewardship that extends into surrounding communities. Complementing this, RAWE (Rural Agricultural Work Experience) and Mini Kisan Melas trained over 250 farmers- 45% women - in soil conservation, apiculture, and regenerative agriculture, embedding sustainability practices across aspirational districts.

Biodiversity conservation flourished through campus initiatives that protect both flora and fauna. Centurion University maintains over 550 species of animals and birds, including native pollinators and rare species such as *Pterocarpus santalinus* (Red Sandalwood) and *Swieteniamacrophylla* (Mahogany). Apiculture units with 28 active colonies yielded 80 kg of honey annually while increasing pollination by 25%, linking biodiversity with livelihood generation. The University's Orchidarium, housing 550 orchids across five species, and micro-forest plantations further strengthen genetic diversity and ecological education.

The University also implemented pond restoration programs, reviving 2 acres of wetland ecosystems through desilting, native vegetation planting, and indigenous fish ranching. These ponds now function as micro-wetlands supporting birds, amphibians, and aquatic biodiversity while recharging groundwater and serving as outdoor learning laboratories.

In parallel, Centurion University advanced sustainable agriculture and land-use models such as Dragon Fruit Cultivation on hilltops and a 5-acre Terrace Orchard, showcasing the transformation of degraded lands into productive, climate-resilient farms. These initiatives provide experiential learning for students, technical exposure for farmers, and replicable models for land reclamation and eco-entrepreneurship.



Institutional biodiversity mapping recorded 80+ tree species and over 30 medicinal and aromatic plants, including *Aegle marmelos* (Bael), *Santalum album* (Sandalwood), and *Phyllanthus emblica* (Indian Gooseberry). The University's Soil Health Monitoring Laboratory tested over 120 soil samples, generating Soil Health Cards and enabling farmers to adopt organic, evidence-based nutrient management.

Beyond its campuses, Centurion University's outreach through NGOs, government departments, and forest authorities supports community-based forest management, afforestation drives, and sustainable land-use practices. In 2024 alone, collaborative efforts restored over 2 acres of degraded land, conserved pollinator habitats, and engaged 91 vocational trainers and over 1,200 farmers through capacity-building programs on soil, water, and biodiversity management. Through measurable ecological restoration, biodiversity enhancement, and sustainable land-use innovation, Centurion University continues to shape a resilient landscape - one where people and the planet thrive together.

University's Commitment to SDG 15

Centurion University promotes an integrated ecosystem approach linking education, livelihood, and conservation. Through its Schools of Agriculture and Applied Sciences and the Gram Tarang Livelihood Mission, Centurion University works with farmers, SHG women, and students to build climate-resilient and biodiversity-rich landscapes. Field-based learning programs (RAWE & FELP) provide experiential exposure to ecosystem restoration, soil testing, and biodiversity indexing.

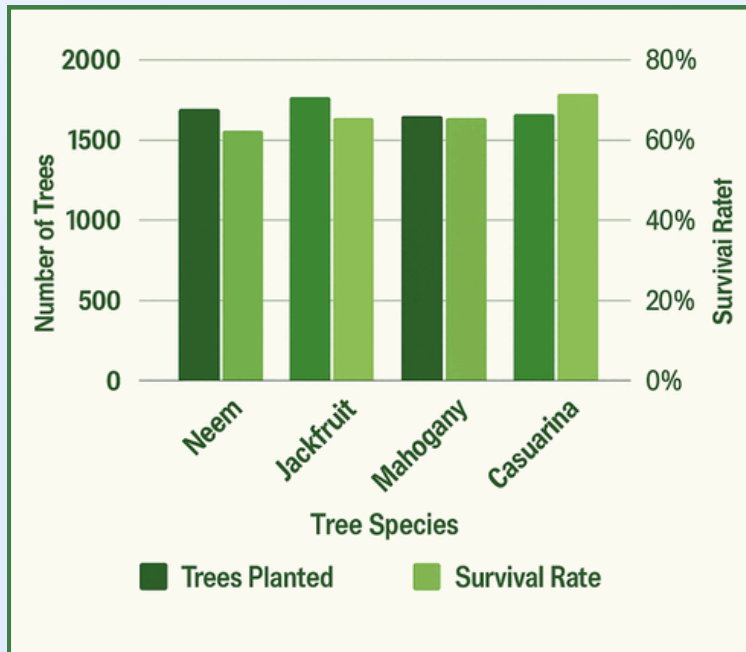




Major Initiatives and Outcomes

a. Afforestation and Micro-Forest Development

- 3,090 saplings planted in 2024 (80+ species across 5 campuses).
- Average survival \approx 85 %.
- Species richness index ($H' = 3.74$).



Tree Species Distribution and Survival Rate 2024

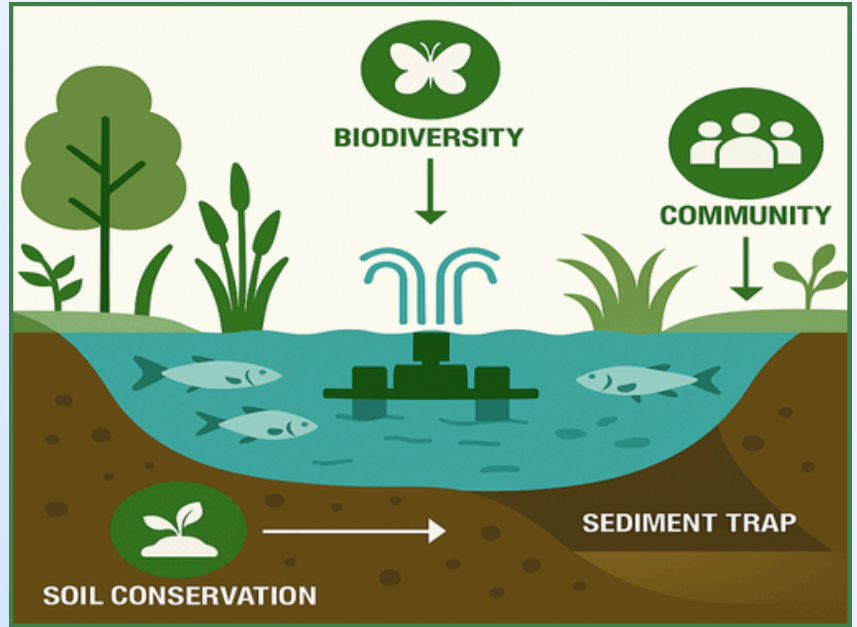
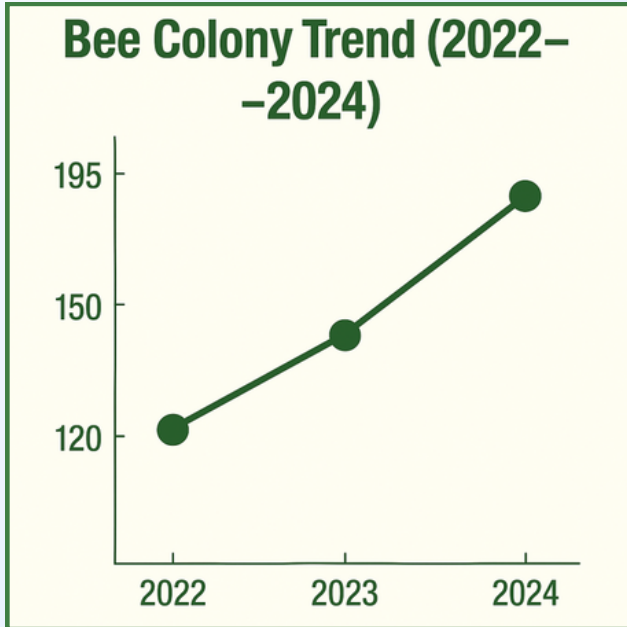
b. Soil Health and Land Restoration

Parameter	2023	2024	% Change
pH	5.8	6.4	+10%
Organic Carbon	0.67%	0.72%	+7%
Available Nitrogen	238 kg/ha	254 kg/ha	+7%
Soil Pest Incidence	9%	7%	-2%

Soil Health Metrics (2023-2024)



c. Pollinator Conservation and Apiculture



d. Floral and Faunal Diversity Assessment

The fauna diversity on the Centurion University campus is predominantly composed of insects, which constitute 72.1% of the total fauna, amounting to 396 individuals. Spiders follow with 4.4%, totalling 24 individuals, while butterflies represent 10.6% with 58 individuals. Animals with four legs account for 7.8% (43 individuals), and birds make up 5.3% with 29 individuals. Collectively, these groups contribute to a total of 550 recorded fauna, offering a rich tapestry of biodiversity that supports various ecological functions such as pollination, pest control, and nutrient cycling.





Future Targets (2025–2030)

- Expand campus tree cover to > 5 000 trees.
- Enhanced pollination and training.
- Develop a “Biodiversity Monitoring App” for students and citizens.
- Conduct eco-audit of 10 villages and annual soil-carbon assessment.
- Implement rainwater harvesting in reforestation zones.

Primary SDG Linkage

Centurion University’s Life on Land actions complement multiple SDGs:

- **SDG 2 – Zero Hunger** - Soil fertility and sustainable farming systems
- **SDG 7 – Clean Energy** - Biogas and solar integration in farms
- **SDG 13 – Climate Action** - Afforestation and carbon sequestration
- **SDG 4 – Quality Education** - Experiential environmental learning modules

Conclusion

Centurion University’s initiatives under SDG 15 – Life on Land reaffirm its commitment to conserving biodiversity, restoring degraded ecosystems, and promoting sustainable land use practices. Through extensive afforestation drives, soil and water conservation efforts, and agroforestry-based livelihood programs, the University continues to protect natural habitats while empowering rural communities. These integrated actions not only enhance environmental resilience but also strengthen the University’s role as a model for ecosystem restoration and sustainable development.



SDG 17: Partnerships for the Goals

Executive Summary

Centurion University recognises that achieving the Sustainable Development Goals (SDGs) requires collaboration across academia, government, industry, and civil society. Aligned with SDG 17: Partnerships for the Goals, Centurion University's partnership model fosters innovation, accelerates social impact, and ensures that the benefits of higher education extend beyond the campus to empower communities at scale.

In 2024, Centurion University expanded its multi-stakeholder ecosystem through over 60 strategic collaborations- including 15 international, 35 national, and 10 regional partnerships- covering domains such as renewable energy, food security, digital innovation, climate resilience, and rural livelihoods.

Globally, Centurion University strengthened its academic and research network through formal collaborations with institutions such as Deakin University (Australia), Durban University of Technology (South Africa), Kathmandu University (Nepal), and Ibn Tofail University (Morocco). These partnerships facilitated joint publications, capacity-building programs, and faculty exchanges, enhancing institutional visibility in the global SDG research and innovation ecosystem.

At the national level, the University forged impactful collaborations with organisations such as ICAR, MSME, NABARD, NSDC, Skill India Mission, UNDP India, and Start-Up Odisha, advancing inclusive growth and social entrepreneurship. Through its Innovation & Incubation Network, Centurion University successfully supported 74 start-ups across green technology, healthcare, agri-business, and renewable energy, directly contributing to India's SDG 8 and SDG 9 targets.

Community-level partnerships with District Health Departments, Krishi Jagran, Red Cross Society, and local Panchayats facilitated implementation of health camps, agri-clinics, and mobile clinics - benefiting over 2,500 rural citizens and offering real-world learning for Centurion University students. Centurion University also played a catalytic role in knowledge diplomacy, leading cross-border dialogues through the India-Africa Agri-SEZ Model, where Centurion University's expertise in skill-integrated education and micro-enterprise development was replicated in Libreville, Gabon, benefiting 27 trainees and demonstrating South-South cooperation in action. The University's IMPACT Framework (Innovation, Measurement & Partnership for Actionable Climate Transformation), developed jointly with global partners, continues to be a flagship model for collaborative sustainability action, connecting research-driven outcomes to measurable community transformation.

In 2024, Centurion University mobilised ₹12 crore in partner-funded projects and leveraged in-kind support from academia and industry to expand its research, training, and incubation infrastructure. This approach ensures that every partnership is both impact-oriented and outcomes-based, aligned with UN SDG 17 targets (17.6, 17.9, 17.16, and 17.17).

SDG 17 AT A GLANCE

CUTM 2024



20%

growth in partnerships



10+

global partners



#25

knowledge events

300+

community linkages

300+

community linkages

17 PARTNERSHIP
FOR THE GOALS





Impact at a Glance

17 PARTNERSHIPS FOR THE GOALS		
▶ INNOVATION FOR SCALABLE & SUSTAINABLE TRANSFORMATION		
Category	2024 Impact	SDGs linked
Active MoUs	128	
New MoUs in 2024	30+	
International Partners	12	
Community NGOs Engaged	10+	
Skill Development Beneficiaries	1,000+	
Seminars/Workshops Conducted	60+	

17 PARTNERSHIPS FOR THE GOALS		
▶ PARTNERSHIP OUTPUTS		
Type	2024 Impact	SDGs linked
MoUs signed	30+ new (128 total active)	
Policy Engagement Partners	21 institutions involved in SDG policy development	ALL
National Workshops & Consultations	60+ events co-organized with industry & government	
Cross-Sector Pilot Policies	6 state-level initiatives (e.g., bio-based economy & rural electrification)	
International Collaborations	12 institutions across 8 countries (Australia, UAE, South Africa, Bangladesh, USA etc.)	



▶ COLLABORATIVE IMPACT IN ACTION

Collaboration Theme	Community Outcomes (2024)	Transformational Impact
Grassroots Innovation	2,500 + community members engaged in co-designed livelihood and health programs	Strengthened trust, social inclusion, & adaptive local innovation
Women's Economic Empowerment	1,200 + women trained and linked to sustainable micro-enterprises	Increased household income and long-term resilience
Youth & Skilling Networks	3,000 + young people mobilised through GTETS & NGO collaborations	Enhanced employability & social mobility
Knowledge Exchange	60 + joint workshops connecting local expertise with university research	Embedded culture of reciprocal learning
Community Outreach	5,000 + beneficiaries through health camps, nutrition drives, and yoga initiatives	Improved wellbeing and community engagement



▶ IMPLEMENTATION ACHIEVEMENTS 2024

Action Area	Key Outcomes (2024)	SDGs linked
Skill & Livelihood Programs	4,000+ beneficiaries trained through GTETS, LTIMindtree CSR & Government partnerships	
Agriculture & Food Systems	5,000+ farmers reached via Utkal Krishi Mela and Agri-Clinic network	
Health & Wellbeing Outreach	1,100 individuals served through community health camps & mobile clinics	
Innovation & Research Implementation	74 active start-ups incubated; 40% women-led	
Education & Policy Integration	60+ workshops, FDPs, and SDG training programs delivered	
Global Engagement & Exchange	12 international collaborations; 27 international trainees via South-South Cooperation	



Strengthening National Partnerships

Centurion University's 2024 collaborations reflect the spirit of "From Partnerships to Progress."

Each MoU signed has expanded opportunities for innovation, inclusion, and shared growth.

Key Collaborations Include:

- SVNIRTAR (Ministry of Social Justice) – Inclusive technology and rehabilitation training (SDG 3, 4, 10, 17).
- Power Tech Pvt. Ltd. – Renewable energy innovation and student internships (SDG 7, 9, 17).
- CYSD Bhubaneswar – Community empowerment and youth leadership (SDG 1, 8, 10, 17).
- INTACH – Heritage education and cultural conservation (SDG 4, 11, 17).
- LTI Mindtree Foundation – Tribal housing and Karjayakaram Skill Development Program (SDG 1, 8, 10, 17).
- Swasthya Swaraj Society – Community health programs in tribal districts (SDG 3, 10, 17).
- NISM (SEBI Initiative) – Financial literacy and market skill training (SDG 4, 8, 17).
- Bioenzyme Entrepreneurs Academy – Green entrepreneurship for sustainability (SDG 6, 12, 13, 17).

Case Studies at a Glance



SVNIRTAR

- 150 healthcare workers trained
- 45% increase in healthcare assistance
- 20+ PwD employed in inclusive roles



**LTI
Mindtree**

- 1,000 students & youth engaged
- Renewable energy course developed
- Educational research promoted



Global Engagement and International Partnerships

Centurion University has strengthened its international footprint by signing MoUs with 12 global institutions across 8 countries. These collaborations foster student mobility, joint research, and global exposure.

Highlighted Global Partnerships (2024):

- Western Sydney University (Australia): Academic exchange & sustainability research (SDG 3, 4, 9, 17).
- Monash University (Australia): Joint research on renewable energy & innovation (SDG 4, 8, 9, 17).
- Durban University of Technology (South Africa): Sustainable agriculture & entrepreneurship (SDG 4, 7, 8, 17).
- Daffodil International University (Bangladesh): ICT & renewable energy research (SDG 4, 9, 17).
- Republic of Zimbabwe: Scholarships, skills & renewable energy cooperation (SDG 4, 7, 8, 17).
- GCSAYN (Global): Climate-smart agriculture & youth innovation (SDG 2, 7, 13, 17).
- Pharmodia FZC (UAE): Research and training in pharma and health innovation (SDG 3, 9, 17).
- International National Online University (USA): Digital learning collaboration (SDG 4, 9, 17).

Conferences, Seminars & Knowledge Exchange

In 2024, Centurion University organized over 60 academic and outreach events, each fostering multi-sectoral engagement and SDG awareness.

Key Highlights:

- Agri Vision 2024 – International conference on sustainable agriculture with ICAR-NRRI (SDG 2, 13, 17).
- Viksit Bharat Conference (ICVBSG-2024) – Co-hosted with ORSI and global experts from 15 countries (SDG 9, 12, 17).
- International Conference on Materials for Sustainable Environment (ICMSE 2024) – Research forum linking SDG 9, 12 & 17.
- Workshops on Bioenzymes, IoT, and AI in Agriculture – Technology-driven sustainability dialogues.
- Indo-German Seminar on Health, Safety & Social Security – International collaboration for workplace well-being (SDG 3, 8, 17).



Community Outreach and Student Engagement

Through volunteering, health camps, and rural exhibitions, Centurion University students embody the principle of “learning through partnership.”

Major 2024 Initiatives:

- Blood Donation & Health Camps: 322 units donated; 600+ beneficiaries (SDG 3, 10, 17).
- Agri Exhibitions (RAWA): 2,000+ farmers trained on sustainable agriculture (SDG 2, 12, 17).
- Free Dental & Vision Camps: Health equity for rural communities (SDG 3, 4, 17).
- Plastic-Free Campus Drives: 1.5 tons plastic collected & recycled (SDG 12, 13, 17).
- Karjayakaram Skill Program (LTI Mindtree CSR): 1,000+ youth trained for employability (SDG 4, 8, 17).

CUTM-Community Synergy Wheel



Impact and Outcomes

Domain	2023	2024	Growth (%)
Active MoUs	98	128	30%
Global Collaborations	7	12	71%
Outreach Events	40	60+	50%
Beneficiaries	2,500	4,000+	60%
Cross- Projects	10	18	80%



Primary SDG Relevance

- **SDG 1 - No Poverty:** Partnering with government bodies and NGOs to implement livelihood, skilling, and poverty alleviation programs.
- **SDG 2 - Zero Hunger:** Collaborating with agricultural institutions and farmer networks to strengthen sustainable food systems and nutrition security.
- **SDG 3 - Good Health and Well-being:** Working with public health departments and organizations to expand community healthcare and awareness initiatives.
- **SDG 4 - Quality Education:** Building academic partnerships for curriculum innovation, research, and global learning exchanges.
- **SDG 5 - Gender Equality:** Engaging with advocacy groups and networks to promote women's leadership and equal participation.
- **SDG 6 - Clean Water and Sanitation:** Collaborating with local authorities and experts on water conservation and sanitation solutions.
- **SDG 7 - Affordable and Clean Energy:** Partnering with energy organizations to scale renewable energy adoption and green technology research.
- **SDG 8 - Decent Work and Economic Growth:** Strengthening industry linkages to promote entrepreneurship, innovation, and inclusive employment.
- **SDG 9 - Industry, Innovation and Infrastructure:** Co-developing sustainable and technology-driven infrastructure projects with industry and research partners.
- **SDG 10 - Reduced Inequalities:** Forming partnerships to advance inclusive education, skilling, and social equity initiatives.
- **SDG 11 - Sustainable Cities and Communities:** Collaborating with local governments to design climate-resilient and sustainable community models.
- **SDG 12 - Responsible Consumption and Production:** Working with industries and start-ups to promote circular economy and sustainable production systems.
- **SDG 13 - Climate Action:** Engaging in global networks and joint projects to enhance climate resilience and sustainability practices.
- **SDG 14 - Life Below Water:** Partnering with research institutions and local communities to promote sustainable aquaculture and aquatic biodiversity conservation.
- **SDG 15 - Life on Land:** Collaborating with environmental organizations to restore ecosystems and promote sustainable land management.
- **SDG 16 - Peace, Justice and Strong Institutions:** Promoting transparency, ethical governance, and community engagement through institutional partnerships.
- **SDG 17 - Partnerships for the Goals:** Serving as a catalyst for multi-stakeholder collaborations, aligning education, research, and innovation with global sustainability objectives.



Conclusion

Through its dynamic partnerships, Centurion University demonstrates that collaboration is the cornerstone of sustainability. By aligning with local, national, and global institutions, the University transforms education into collective impact connecting innovation, inclusion, and inspiration.

“At Centurion University, partnerships are not just linkages; they are catalysts of transformation, uniting knowledge with action for a sustainable tomorrow.”





Centurion
UNIVERSITY

*Shaping Lives...
Empowering Communities...*

CENTURION UNIVERSITY

CAMPUSES

Paralakhemundi Campus

Village Alluri Nagar
P.O. – R Sitapur, Via- Uppalada
Paralakhemundi, Dist.- Gajapati
Odisha, India. PIN- 761211

Bhubaneswar Campus

Ramchandrapur P.O. – Jatni,
Bhubaneswar Dist.- Khurda,
Odisha, India, PIN- 752050

Balangir Campus

Behind BSNL Office
IDCO land, Rajib Nagar
Dist.- Balangir, Odisha
India, PIN-767001

Rayagada Campus

IDCO Industrial Area
Pitamahal, Rayagada
Dist.-Rayagada, Odisha
India, PIN-765001

Balasore Campus

Gopalpur, P.O.-Balasore
Dist.-Balasore, Odisha
India, PIN-756044

Chatrapur Campus

Ramchandrapur,
Kaliabali Chhak,
P.O-Chatrapur, Dist.-Ganjam
Odisha, India, PIN-761020