



Centurion
UNIVERSITY

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



Times Higher Education
**Sustainability
Impact Network**



SUSTAINABLE DEVELOPMENT GOAL 4 QUALITY EDUCATION



**SUSTAINABLE
DEVELOPMENT
GOALS**



Section No.	Section Title	Page No.
1	Executive Summary	4
2	Summary – Our Impact on SDG 4: Quality Education	5
3	Vision and Institutional Framework	8
3.1	Objectives and Approach	9
3.2	Free Access to Educational Resources	10
4	Free Certificate and Award-Based Courses	10
4.1	Free Access to Campus Facilities and Equipment	11
4.2	Free Access to Online Resources	12
4.3	Library and Digital Databases	12
4.3.1	Research Facilities and Laboratories	14
4.3.2	Open Courseware and Digital Learning	20
5	3D AR/VR Learning Solutions	22
5.1	Public Events Open to the Community	36
5.2	Community Engagement and Kisan Mela	37
5.3	Yogotsav 2024 and Wellness Education	38
6	Public Health Events as Learning Platforms	40
6.1	Access to Public Lectures, Conferences, and Seminars	40
6.2	AYUSH-Sponsored National Conference	45
6.3	Faculty Development Programs (FDP)	47
6.4	CHSE Teacher Training	48
7	Grassroots Leadership and Capacity Building	50
7.1	OPTCL Employee Training	51
7.2	Culminace and Manzar 3.0	52
7.3	Australian Aboriginal Skill Training	53
7.4	OFS Probationers Exposure Visit	54
7.5	Technical and Vocational Education	57
8	Lernern Skill-Integrated Apprenticeship Program	57
8.1	J.C. Kumarappa Technology Park and Innovation Center	59
8.2	Overview and Objectives	60
9	Key Units and Activities	61

Figure No.	Figure Title	Page No.
Fig. 1	Centurion Courseware – Free Learning Ecosystem	9
Fig. 2	Access to Facilities, Libraries & Research Labs	10
Fig. 3	Computer Literacy Sessions – CSE Dept.	11
Fig. 4	Centurion Library Open for Public	12
Fig. 5–12	Research Laboratory Infrastructure (HPLC, NABL, Tablet Press, etc.)	15
Fig. 13–14	Navodaya School Student Exposure Visits	17
Fig. 15	Centurion Courseware Categories	18
Fig. 16	Usage Analytics of Digital Courseware	19
Fig. 17	Educational Access through Online Learning	21
Fig. 18–19	3D/AR/VR Learning Assets and EON-XR Platform	22
Fig. 20	Video Lecture on Public Domain	24

Fig. 21–23	Udemy Courses (Gerbera, Dendrobium, Culture Fundamentals)	25
Fig. 24	Research Publications, 2024 (Scopus & WoS)	29
Fig. 25 (SDG 4.3.2)	Agri Exhibition, 22 Oct 2024	36
Fig. 26	NFDB Sponsored Fish Farmers Training	37
Fig. 27	Yogotsav 2024	38
Fig. 28	Invited Talk – Enriching Academic Experience	40
Fig. 29	Event Beneficiaries, 2024	40
Fig. 30	Viksit Bharat International Conference, 26–27 Sep 2024	43
Fig. 31	Global South Nexus (GSN) Conference, Jan 2024	44
Fig. 32	AYUSH-Sponsored Conference & Workshop	45
Fig. 33	Avalanche Bootcamp & Hackathon	45
Fig. 36	International GIS Day 2024	46
Fig. 37	FDP for Senior Lecturers (DTET Odisha)	49
Fig. 38	Training Program for PACS Secretaries	50
Fig. 39	OPTCL Employee Training	51
Fig. 40	Manzar 3.0 Student Festival	52
Fig. 41	Skill Training for Australian Aboriginal Students	53
Fig. 42	OFS Probationers Training Program	55
Fig. 43	Lernern Skill-Integrated Apprenticeship Program	57

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 Culminance 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.

Summary - Our Impact on SDG 4 - Quality Education						
Dimension	Impact Area/Indicator	Initiatives	2024 Data	Output	Impact	2030 Target
Innovation in Learning	Equal access to affordable, quality technical & tertiary education- SDG 4.3	AR/VR and AI-Based Learning Tools	25 immersive modules developed	Integration of AR/VR, AI and metaverse tools in engineering and medical curriculum	Enhanced experiential and technology-enabled learning	
	Relevant skills for work and entrepreneurship- SDG 4.4	Digital Learning Ecosystem	10,000+ LMS users; 1,500 online courses delivered	Full digital migration of curriculum and evaluations through CU-LMS	Strengthened digital and blended learning environment	Fully digitized blended learning ecosystem across all campuses by 2030
	Technical and vocational skills- SDG 4.4	SkillXR and Simulation Labs	20 simulation environments operational	Hands-on digital learning for healthcare, agriculture, and engineering programs	Improved skill competence and applied learning outcomes	
Multi-Stakeholder Collaboration	Industry-relevant education & lifelong learning- SDG 4.3/ SDG 4.4	Industry-Integrated Curriculum	50+ industry-linked labs; 30 MoUs with corporates	Curriculum co-designed with industry for practical relevance	Enhanced employability and industry-aligned education	

	Increase supply of qualified teachers & partnerships- SDG 4.c	Collaborations for Educational Access	MoUs with UNICEF, WSU, and AICTE	Cross-institutional collaboration for inclusive education models	Strengthened educational partnerships and policy influence	
	Expand scholarships for developing countries- SDG 4.b	Research & Publications	150+ journal papers; 25 patents filed	Applied research in education technology, sustainability, and AI	Advanced institutional research capacity and innovation dissemination	
People-Centered Access to Education	Parity indices for access to education- SDG 4.5	Access to Lifelong Learning Resources	Free access to online resources and courses for 1,200+ learners	Open learning platforms for external users, community members, and alumni	Expanded educational access and lifelong learning opportunities	Expanding access for 5,000+ non-enrolled learners by 2030
	Education for sustainable development & global citizenship- SDG 4.7	Public Events and Educational Outreach	60+ public events; 15,000 participants	Educational fairs, seminars, and community lectures	Fostered community participation and awareness in education	
	Literacy and numeracy- SDG 4.6	Community Education Outreach	3,000+ rural learners engaged	Village education camps, mobile learning units, and women's literacy drives	Increased rural literacy and strengthened community learning culture	
Access & Advancement	Gender & inclusion in education- SDG 4.5	Women and Tribal Student Enrolment	43% female enrolment; 18% tribal student participation	Targeted scholarships, hostel support, and mentorship programs	Improved inclusion and representation in higher education	
	Inclusive and safe learning environments- SDG 4.a	Inclusive Education Policy	Policy drafted for non-discrimination in access	Framework ensuring education regardless of gender, disability, or socio-economic status	Promoted equality and accessibility in institutional culture	Institutional culture of equality and accessibility by 2030
Capacity Building & Competence	Teacher training and professional development- SDG 4.c	Teacher Training and Capacity Building	300+ school teachers trained	CHSE, ITI & Polytechnic principals trained in pedagogy and	Strengthened educator competencies and teaching quality	

				technology integration		
	Promote sustainability education- SDG 4.7	School Partnership Programs	50 schools partnered for STEM exposure	Student-led teaching support and science exhibitions in rural schools	Increased STEM exposure and student engagement at school level	
Training & Employability	Skills for employment & entrepreneurship- SDG 4.4	Vocational Training and Employability Programs	2,000 students trained in 2024; 90% placement rate	Skill-based certifications and job-linked programs via AELP	Improved employability and workforce readiness	Train 10,000 youth by 2030

4 SOG 4

CUTM SDG 4 IMPACT AT A GLANCE 2024

3.2
lakh

LEARNERS
EMPOWERED

1,100

DIGITAL SYSTEM
&
230 AR/VR ASSETS

33

TEACHERS
TRAINED
(FOP & CHSE
PROGRAMS)

13

QUALIFICATION
PACKS
MULTI-SECTORAL
SKILLS

2.5lakh+

LIBRARY
USERS
(PUBLIC ACCESS)

GLOBAL
PARTNERSHIPS
ACROSS EDUCATION
& RESEARCH

Vision

A globally accredited human resource centre of excellence catalyzing “sustainable livelihoods” in the “less developed markets across the globe”.

(<https://Centurion University.ac.in/vision-mission/>)

To be achieved through:

1. Institutional approach to skill development by building world class training facilities in strategic geographies.
2. Excellence in delivery & pedagogy through experiential based learning, hands on knowledge & practice oriented education.
3. Innovation in delivery with extensive industry participation in design, delivery, placement & work integrated learning.
4. Setting a global benchmark in governance, integrity & social impact with best in class worker practices
5. Building a sustainable business model in skill development and integrate skills with higher education & qualifications.
6. Social integration with focus on disadvantaged people and persons with disabilities

Organisation of the SDG 4 Report

The SDG 4 Report unfolds as a story of how the university translates its vision of “*Shaping Lives, Empowering Communities*” into action:

1. Objectives
2. Free Access to Educational Resources (4.1)
3. Public Events Open to the Community (4.2)
4. University Events that are Open to the General Public (4.3)
5. Educational Outreach Beyond Campus (4.4)
6. Educational Initiatives

Objectives

Centurion University frames its objectives to extend learning beyond classrooms, bridge equity gaps and foster lifelong skills for work and life to ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

- To extend access to education by reaching out to non-university learners through free certificate courses, digital repositories and open laboratory facilities thereby bridging the divide between institutional knowledge and community needs.
- To advance equity and inclusivity in learning by building on skill-integrated education models that empower women, farmers, first-generation learners and marginalized groups to participate meaningfully in contemporary knowledge systems.
- To foster lifelong learning pathways by providing for continuous education that integrates theoretical instruction with experiential practice, industry engagement and innovation-driven research across all stages of personal and professional development.

4.3.1 Free Access to Educational Resources for those not studying at the University

Centurion University has upheld a vision rooted in skill development embodied in the motto “*Shaping Lives, Empowering Communities*” since its inception. In alignment with Sustainable Development Goal 4 (SDG 4) – ensuring inclusive and equitable quality education – Centurion University extends learning beyond its enrolled students, making education accessible to all members of society, particularly underserved and non-university learners.

1. Free courses leading to certificate or award
2. Free access to campus facilities and equipment
3. Free access to online resources

COURSES LEADING TO CERTIFICATE OR AWARD

Centurion University provides 47 free certificate and award-based courses, impacting over 1,000 beneficiaries. These programs are designed to promote lifelong learning, employability and entrepreneurship. Courses range from Digital Literacy and Computational Biology to Light Motor Vehicle Driving and Basic Electrical Training, reflecting Centurion University’s strong commitment to practical, job-ready education. The university promotes inclusive growth and skill development, bridging the gap between formal university education and community-based learning.

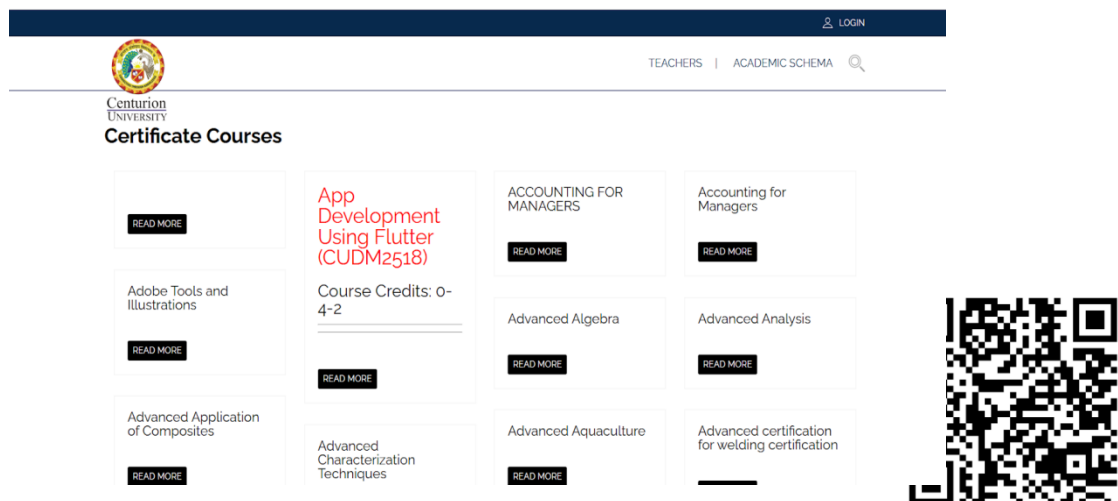


Fig 1. Centurion Courseware

Free Access to Campus Facilities and Equipment

Access to Facilities: Libraries & Research Labs

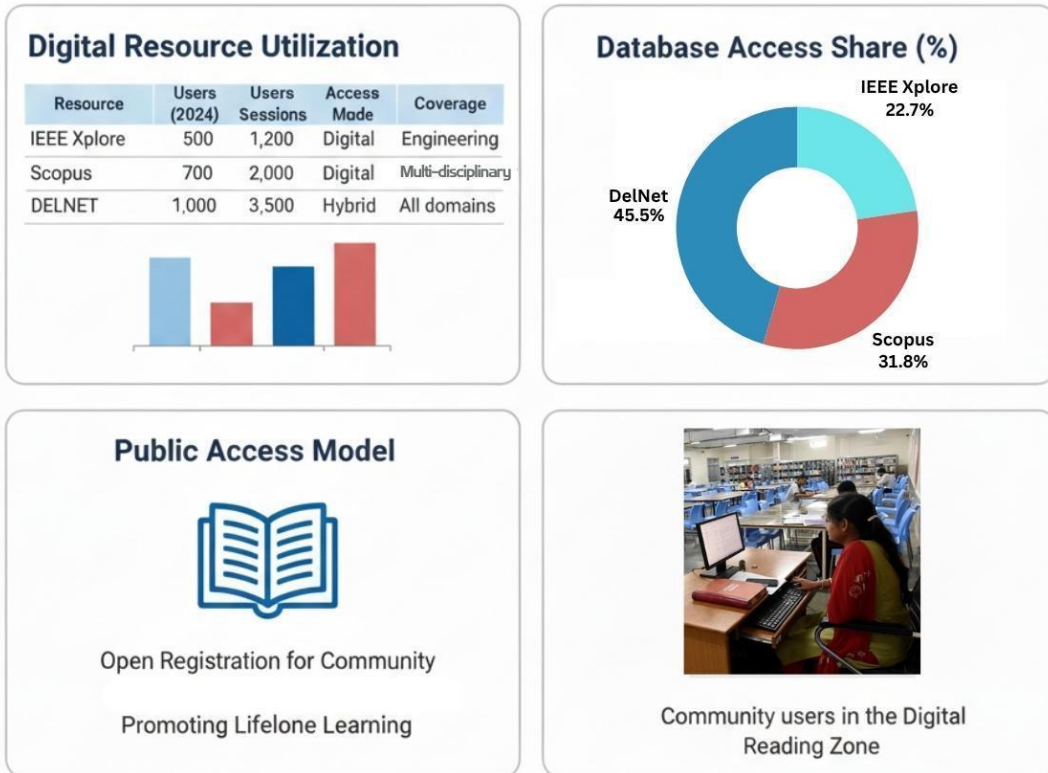


Fig 2. Access to Facilities, Libraries & Research Labs Centurion University SDG-4 Report)

Computer Laboratory Access

Centurion University hosts one of the most extensive digital infrastructures in the region with 1,100 computers, serving more than 2,000 learners. Non-university participants can access these labs for coding, digital literacy, data analysis and professional certifications. Bridges the digital divide and fosters technology-enabled empowerment.



Fig. 3 Computer Literacy Sessions Dr.Dhabaleswar Rao (CSE Dept.)

Free Access to Online Resources

Library Access

Centurion University's library is a hub of knowledge equity with over 2,55,50+ beneficiaries and seating for 220 learners. It provides both digital and physical access to premier databases such as IEEE Xplore, Web of Science, Scopus, J-Gate, and ProQuest covering technology, science, management, law, agriculture and humanities. It empowers students, faculty, researchers, and community learners with global knowledge resources.



Fig.4.Centurion Library Open for Public

Centurion University is deeply committed to Sustainable Development Goal 4 (SDG 4) – *"Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all."* In alignment with this objective, the Centurion University Library plays a pivotal role by providing access to a wide range of high-quality academic and research databases across multiple disciplines. The library's rich digital and physical collections empower students, researchers, and faculty to pursue excellence in education, research, and innovation.

Seating Capacity – 220

Beneficiaries - 25,5550 +

Types of users – All age groups

Table 1: Digital Database Resources at Centurion University Library

Database	Subject Coverage	Number of Journals / Documents Accessible
IEEE Xplore (IEEE-ASPP)	Electronics, Electrical Engineering, Computer Science, and allied disciplines	220
ProQuest-ABI/INFORM	Management, Business, and Economics	5,421
IndianJournals.com	Agriculture, Management, Pharmacy	46
Web of Science	Multidisciplinary Indexed & Citation Database (SCIE, SSCI, AHCI, ESCI, JCR)	44,838
Scopus	Abstract and Citation Database – All Subjects	36,377
Manupatra	Legal Research Database	1
LexisNexis	Legal Research and Case Law	1
J-Gate Complete	Multidisciplinary – Science, Technology, Social Sciences, Arts, and Humanities	28,625
DELNET	Union Catalogue – Books, Journals, Articles, and more across all subjects	11,24,250

Highlights and Impact

- **Multidisciplinary Access:** With resources spanning technology, science, management, law, agriculture, and humanities, the library ensures holistic academic support for all programs.
- **Global Research Exposure:** Access to globally recognized indexing platforms like Web of Science, Scopus, and IEEE Xplore enhances research quality and global academic collaboration.
- **Legal Research Support:** Specialized databases like Manupatra and LexisNexis offer law students and faculty access to critical judgments, case laws, and legal commentary.
- **Inclusive Learning:** The vast repository available through DELNET and J-Gate fosters inclusive education by offering scholarly resources to remote users and researchers.

Through its expansive digital resource infrastructure, the Centurion University Library actively supports the realization of SDG 4 by facilitating quality education, research excellence and lifelong learning. These resources are critical in nurturing skilled, informed and globally competent graduates who can contribute meaningfully to society. The library is open to the general public with proper registration and monthly issued cards for data gratification.

Research Facilities and Labs


Centurion University opens its advanced research laboratories and centers of excellence to both students and external learners. Facilities span biotechnology, engineering, agriculture, pharmaceuticals, and sustainable development with high-end equipment such as HPLC, NABL labs, spray dryers, and tablet punching machines. It promotes inquiry, innovation and interdisciplinary learning while empowering scholars to pursue real-world problem-solving projects.

Centurion University ensures that its state-of-the-art research centres and laboratories are not restricted to enrolled students alone but are open to the wider community, industry partners, and aspiring learners. Through structured internships, training programs, and guided lab visits, non-university learners, school students, entrepreneurs, and professionals gain valuable exposure to advanced technologies across domains such as agriculture, healthcare, manufacturing, fintech, data science, and biotechnology.

CUTM Research Centers

Innovation & Outreach impact

500+ external Learners trained annually
6000+ school children visit hosted annually

4 QUALITY EDUCATION


1. Smart Technologies & Digital Systems

Centre for Computational Mathematics

Centre for Communication Technologies

Centre for Data Science and Machine Learning

Centre for 3DS Digital Manufacturing

Centre for Smart Mobility and Machines

4. Agriculture, Fisheries & Food Systems

Centre for Smart Agriculture

Centre for Agriculture & Fish Processing Production

Centre for Aquaculture & Fish Processing Technology

2. Advanced Engineering & Manufacturing

Centre for Smart Infrastructure

Centre for Manufacturing

Centre for New Materials

Centre for Lasers

Centre for Engineering Applications

5. Sustainability, Governance & Circular Economy

Centre for Governance & Sustainable Societies

Centre for Waste to Wealth Management

3. Life Sciences, Health & Pharma

Centre for Drug Design

Centre for Phytopharma

Centre for Genomics & Genomics

Centre for Plant Tissue Culture & Vegetative Propagation


Centre for Medical Diagnostics


6. Education, Entrepreneurship & Financial Innovation


Centre for FinTech

Centre for Innovation and Entrepreneurship

Centre for EduTech & SkillsTech











Glimpses of Research center

By offering hands-on training, real-time project collaboration, and mentorship opportunities, Centurion University empowers individuals to acquire practical skills and industry-ready competencies. Community members can participate in short-term workshops, hackathons, and specialized certification programs, while schools and colleges frequently organize lab immersion visits to inspire younger learners.

This open-access model reflects Centurion University’s vision of “Shaping Lives, Empowering Communities” by ensuring that its facilities-ranging from biotech labs and advanced diagnostics to AR/VR-enabled learning platforms-serve as shared knowledge hubs for inclusive growth, innovation, and sustainable development.



Fig 5. High performance liquid chromatography

Fig 6. Friability test apparatus



Fig.7. Disintegration apparatus

Fig 8. Dissolution apparatus





Fig 9. NABL laboratory



Fig.10. Spray Dryer



Fig.11. Tray Dryer



Fig.12. Tablet punching machine

Training Programmes in Smart Classrooms and Auditorium



Fig.13.Exposure Visit of Navodaya School Students: A Motivation Session by Marketing Professor



Fig.14. Exposure Visit of Navodaya School Students, A Session on Soft Skills by Dr.PrajnaPani

Free access to online resources

Courseware and Domains for Transformation

The university constantly updates its curriculum to remain relevant to industry demands. E-materials are made available at Centurion Courseware for all students. Implicit in our vision for inclusive education and development is our open practice - open courseware, open content

and open culture of learning. Centurion Open Courseware contains teaching and learning materials that are free and accessible. The courseware contains programme structure, assessment criteria, skill courses, domain courses, skill courses, domain courses, certificate courses, advanced domain courses, diploma courses and other information. This courseware has been developed by our faculty keeping the Centurion student in mind. It is very interactive, and available in an easy-to-understand format: Notes, Presentations, Video Materials, Assignments and other useful links. So, it is context-specific. The material is specially prepared for slow learners and those who have learning difficulties. The material will help the average student avoid a backlog in any subject. The flexibility in the learning space permeates anytime, anywhere learning. The University has developed more than one thousand courses. Open Courseware is subject to constant revisions. The main aim is to facilitate e-learning and lifelong learning. The most noticeable in this, is the transformation of learner-centric to learning-centric, open education concept. Further, this transformation gets reflected in the shift from instructor-based learning to technology-based learning. The metamorphosis has come up due to multiple learning styles, changing learning preferences, increasing learning needs, information explosion and new age demands.



Fig.15. Centurion Courseware reflecting various course categories

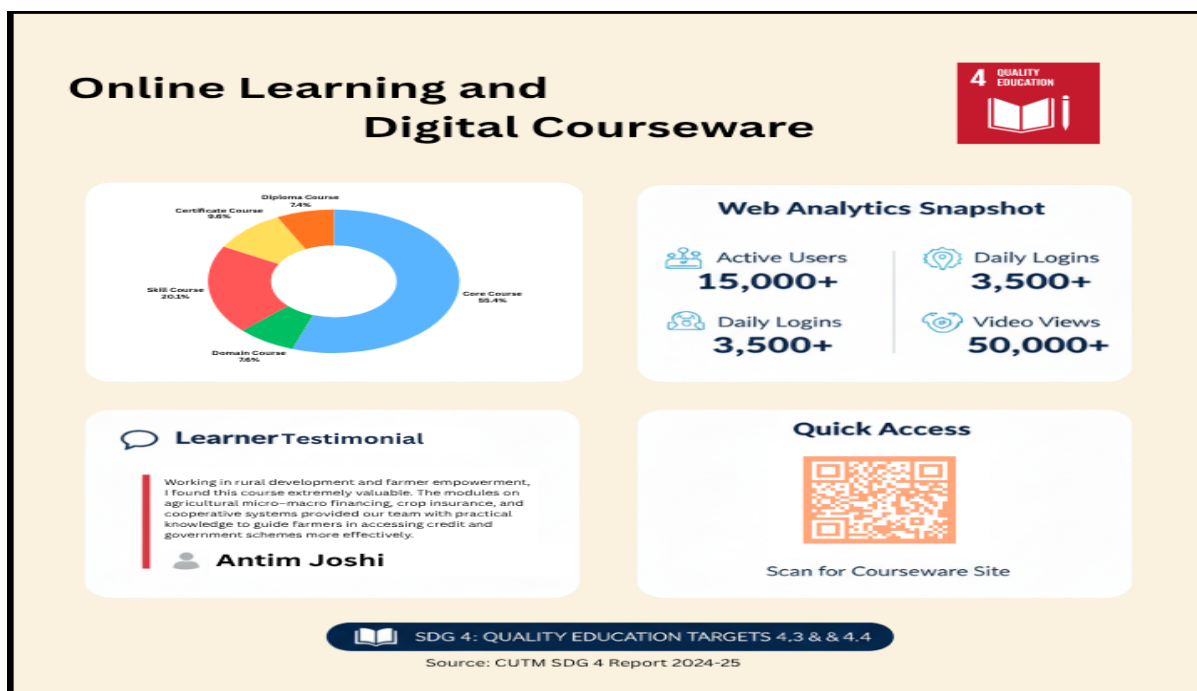


Fig.16: Usage Analytics

Online Learning

Centurion University has embraced modern learning methodologies through its online programs and hybrid learning models. This ensures that education is accessible, affordable, and adaptable to different learners, regardless of their geographic or socioeconomic background.

Centurion University aims to expand its portfolio of online degree and certification programs, leveraging the expertise of its faculty and the latest advancements in educational technology. By offering flexible, accessible, and high-quality online learning opportunities, the university aims to attract a diverse global student base and enhance its reach beyond geographical boundaries.

Online Programs: A wide range of courses offered through distance learning modes, making higher education accessible to students from remote areas.

Hybrid Learning Models: Blending online learning with face-to-face classroom interactions to give students the flexibility to learn at their own pace while retaining the benefits of traditional teaching.

Centurion University has launched online programs, which significantly contribute to the university’s commitment to advancing Sustainable Development Goal 4 (SDG 4): “Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all”. The following are highlights:

- **Increased Access to Quality Education**

By offering flexible and affordable online programs, Centurion University is expanding educational opportunities to a broader demographic, including working professionals, rural students, and individuals unable to attend on-campus programs. This aligns with SDG 4's focus on ensuring inclusive education and addressing barriers such as geography, socio-economic conditions, and time constraints.

- **Promotion of Lifelong Learning**

Centurion University's online programs offer opportunities for continuous education, allowing learners to upskill or reskill at their own pace. This facilitates lifelong learning, a crucial element of SDG 4, particularly in a rapidly evolving job market where adaptability is key to professional growth.

- **Innovative and Relevant Curriculum**

The online courses are designed to integrate technology, innovative pedagogical methods, and industry-relevant content. By promoting digital literacy and skill development, Centurion University is helping to create a more skilled workforce, contributing to SDG 4's goal of improving education quality and outcomes.

- **Fostering Equity and Inclusivity**

The online platform reduces disparities in education by providing equal learning opportunities to marginalized and underrepresented communities. Centurion University's outreach efforts, coupled with scholarships and financial assistance, ensure that no one is left behind in accessing education, reflecting SDG 4's emphasis on equitable education for all.

- **Customized and Industry-Oriented Learning**

By offering online programs tailored to industry needs, Centurion University ensures that learners are equipped with relevant skills and knowledge that enhance employability. This directly supports SDG 4 by improving learning outcomes and aligning education with the demands of the workforce.

- **Global Learning Community**

Centurion University's online initiatives are not limited by regional boundaries, enabling students from around the world to enrol. This fosters cross-cultural understanding and global citizenship, key elements in promoting inclusive education and reducing inequalities in global educational access.



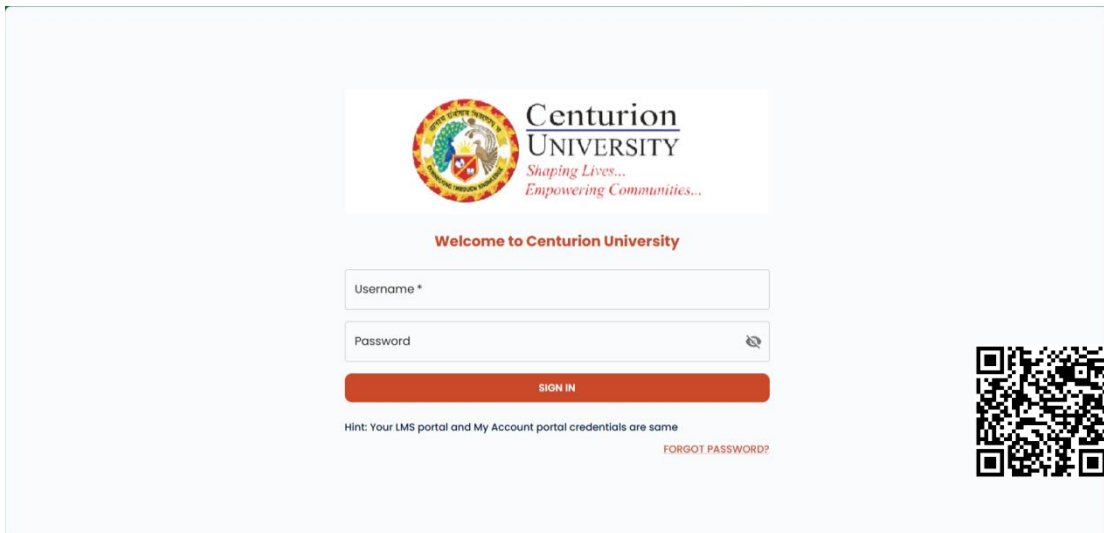


Fig.17. Educational Access

3D AR/VR Learning Solutions

The 3D Platform is a state-of-the-art Web 3.0 solution designed to revolutionize education through immersive 3D technologies. Leveraging WebGL, the platform delivers interactive 3D experiences directly via web browsers and mobile devices, making advanced learning tools widely accessible. It seamlessly integrates augmented reality (AR) and virtual reality (VR) to create dynamic, engaging environments across disciplines such as engineering, science, and medicine. A key highlight is its cloud-based repository of virtual 3D human organs, providing an invaluable resource for learners in medical and biological sciences. The platform also includes rich multimedia features such as descriptive text, audio support, and embedded assessments, offering a comprehensive and interactive learning experience.

Through Centurion University's AR/VR Web 3.0 platform (<https://Centurion University-arvr.vercel.app/>) learners access immersive 3D simulations in medicine, science, and engineering – including virtual human organs, interactive labs, and cloud-based assessments. It democratizes next-generation learning technologies for a global audience.

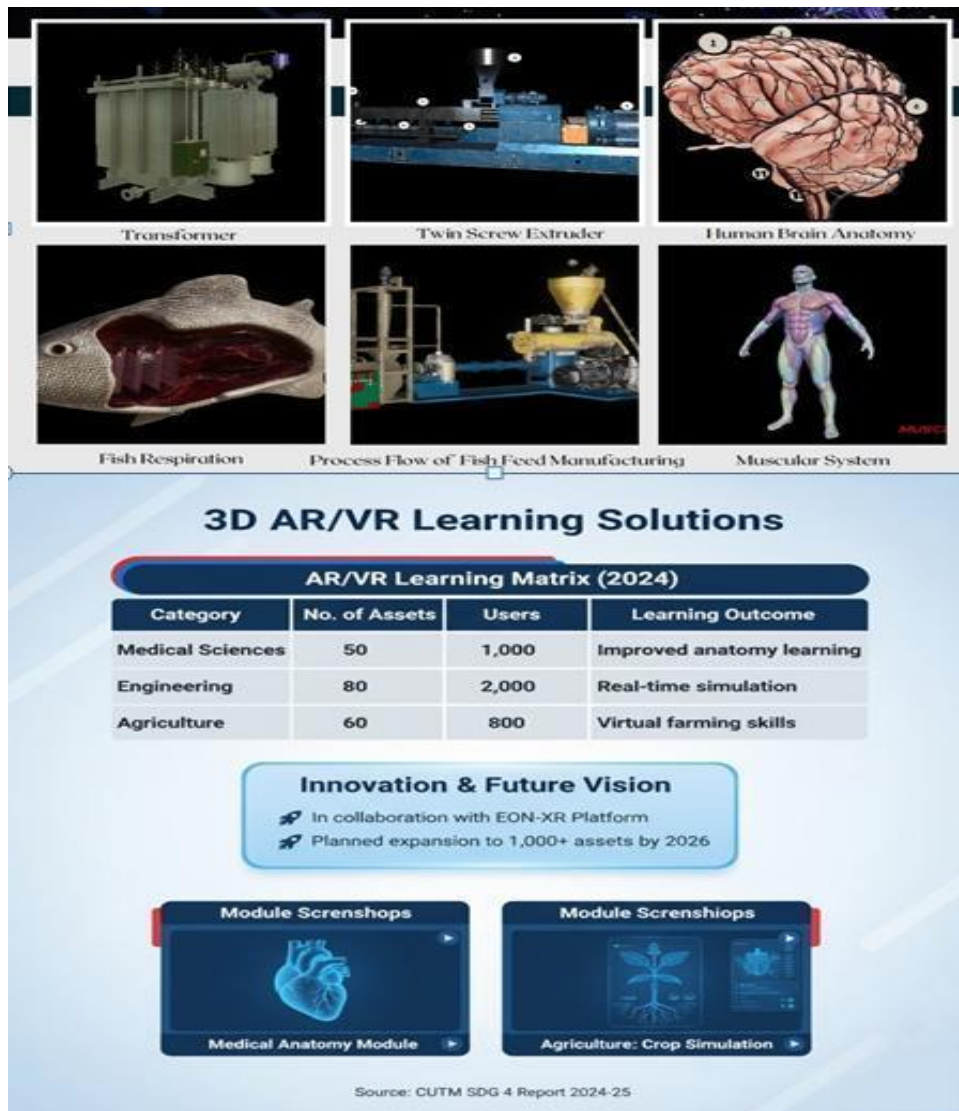







Fig.18. 3D Learning Assets for Solutions

- 3D/AR/VR Learning Assets: Over 230+ immersive digital assets developed across domains such as healthcare, engineering, biology, aquaculture, and mechanical sciences
- EON-XR Platform: Hosting +230 XR/3D assets for interactive learning; expanding to 1,000+ assets in the future
- Industry-Oriented Exposure: Through collaboration with industry partners and real-time projects in Edutech, SkillTech and applied R&D
- Student Mentorship in Hackathons: The university mentors students in the Smart India Hackathon (Finalist 2024) and Odia-GenAI Hackathon

Hands-on Product Development: Students engaged in designing and fabricating devices ranging from precision agricultural tools to robotics, engines, and IoT systems, ensuring practice-driven learning outcomes.

Table 2: E-content Links

Course	Link
Veterinary Physiology	
Veterinary Microbiology	
Veterinary Pathology	
Animal Genetics and Breeding	
Cardiac Disorders	

Online Video Lectures and Open Programs

Centurion University actively shares recorded lectures, expert talks, Master Chef culinary training, and fish processing skill programs on platforms like YouTube. These no-cost, skill-based initiatives empower learners from all walks of life.

This fosters community engagement, continuous learning, and employable skills.

[Centurion University YouTube Channel](#)

Online Video Lectures

In alignment with **SDG 4: Quality Education**, Centurion University actively promote inclusive and lifelong learning by making educational content accessible to the wider public. Through the provision of live and recorded lectures, expert talks, and special sessions from workshops, seminars, and conferences, the university ensures that high-quality academic resources are not limited to enrolled students but are shared openly with the community. This initiative not only fosters a culture of continuous learning but also strengthens community engagement, digital inclusion, and equitable access to knowledge, reflecting Centurion University's commitment to expanding the reach of education beyond traditional boundaries.



Fig. 20. Video Lecture on Public Domain

Online Accessible Programs

Under SDG 4: Quality Education, Centurion University’s free MasterChef training program exemplifies inclusive and skill-oriented learning by providing hands-on culinary education to aspiring chefs from all backgrounds. This initiative not only fosters creativity and practical expertise in the culinary arts but also empowers individuals with employable skills, promoting lifelong learning and vocational excellence. By making high-quality, experiential training accessible at no cost, the program directly supports equitable education and skill development aligned with global educational goals.



Fig. 21. Student Testimonial

Centurion University’s training program in fish processing and chitin extraction promotes inclusive, skill-based learning by providing practical, hands-on experience in marine resource utilization. Offered at no cost, this program reinforces Centurion University’s commitment to lifelong learning and equitable access to quality vocational education in alignment with global educational goals.

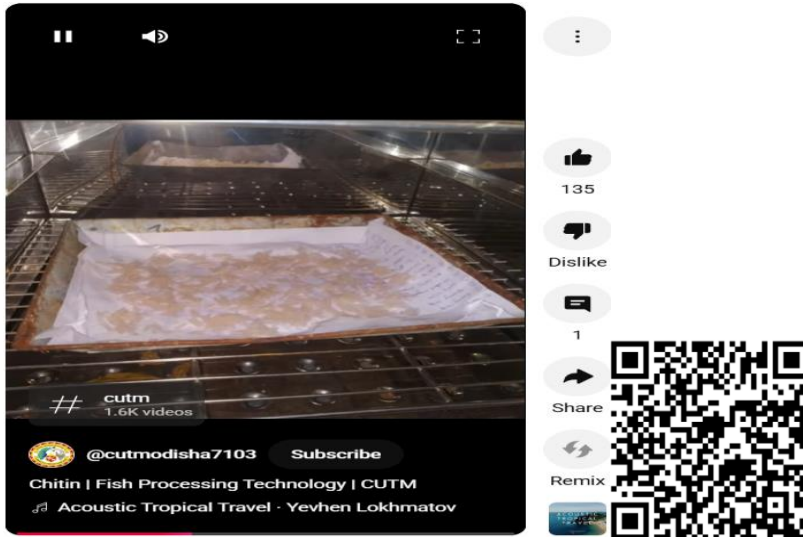


Fig. 22. Student Testimonials

Fig. 22. Student Testimonials | Medical Diagnostic Techniques| 02

Udemy Course Gerbera Cultivation

The screenshot displays the Udemy course page for 'Gerbera Cultivation'. At the top, there is a search bar and navigation links for 'Plans & Pricing', 'Udemy Business', 'Teach on Udemy', 'Log in', and 'Sign up'. The course is categorized under 'Lifestyle > Home Improvement & Gardening > Farming'. The main content area features a video preview of a gerbera field in a greenhouse with a play button overlay. To the right of the video, the course title 'Gerbera Cultivation' is displayed, followed by the description 'A profitable Enterprise'. Below this, it shows 'Free tutorial', a 4.5-star rating with 120 ratings, 1,267 students, and a 38-minute on-demand video. The course is created by Sagar Maitra and Lalichetti Sagar. At the bottom of the course details, there is a 'Free' label and an 'Enroll now' button. Below the course details, there are tabs for 'What you'll learn', 'Course content', 'Reviews', and 'Instructors'.

Fig. 22. Udemy Course on Gerbera Cultivation

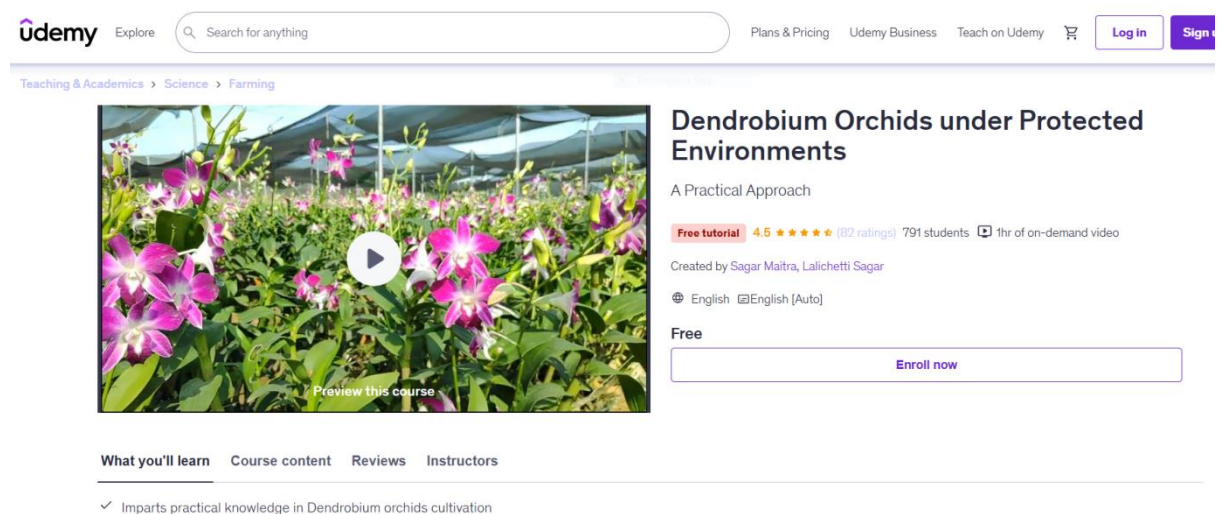
This course provided 1267 registered learners with the knowledge of various recommended techniques for successfully cultivating profitable Gerbera crop under controlled conditions. Gerbera flowers have become popular for cultivation in India due to their color variations,

symbolic meanings, flower size, long-lasting nature, and adaptability to different cultivation methods. The demand for Gerbera is high in both domestic and export markets throughout the year, making it one of the top ten cut flowers in the global flower trade. India, being geographically closer to major flower-consuming countries, has significant potential in the flower trade, especially during severe winters in other flower-producing countries.

To meet international quality standards, it is necessary to cultivate high-yielding and long-lasting hybrid cultivars in polyhouses or greenhouses. Growing Gerbera under cover has several advantages, including the exploitation of genetic potential in exotic hybrids or varieties, year-round cultivation, protection against adverse weather conditions, and prevention of pest and disease incidence. This approach allows farmers to achieve higher returns.

By taking this course, students will gain the confidence and knowledge to adopt Gerbera cultivation as a business model. They will analyze both the opportunities and threats associated with this practice and develop strategies to overcome challenges. This course aims to empower students to pursue Gerbera cultivation as a profitable venture.

Udemy Course on Dendrobium Orchids under Protected Environments



The image shows a screenshot of a Udemy course page. At the top, there is the Udemy logo, a search bar, and navigation links for 'Plans & Pricing', 'Udemy Business', 'Teach on Udemy', 'Log in', and 'Sign up'. Below the navigation, there are breadcrumb links: 'Teaching & Academics > Science > Farming'. The main content area features a large video thumbnail of a greenhouse filled with pink and purple orchids, with a play button icon and the text 'Preview this course'. To the right of the thumbnail, the course title 'Dendrobium Orchids under Protected Environments' is displayed, followed by the subtitle 'A Practical Approach'. Below the title, there is a 'Free tutorial' badge, a 4.5-star rating with '(82 ratings)', and '791 students'. It also indicates '1hr of on-demand video'. The course is created by 'Sagar Maitra, Lalichetti Sagar' and is available in 'English' with an 'English [Auto]' subtitle option. A 'Free' badge is present, and an 'Enroll now' button is located at the bottom right of the course information. Below the course information, there are tabs for 'What you'll learn', 'Course content', 'Reviews', and 'Instructors'. Under the 'What you'll learn' tab, a bullet point states: 'Imparts practical knowledge in Dendrobium orchids cultivation'.

Fig. 22. Free Udemy Course on Protected Environments

This course enabled 791 students to build up their skill in raising Dendrobium Orchids under controlled conditions. Specifically, this course initially classifies the Orchidaceae family and briefly describes the distribution of dendrobium in India. In this course, popular cultivars suited to sub-continental conditions were highlighted along with their salient features. The criteria for selection of suitable sites for establishment of Dendrobium was presented in detail. In addition, basic requirements to build a controlled structure, viz. greenhouse structure, cladding material and climatic requirements were also described. Keeping in view the export demand for Dendrobium orchids, in section three of this course, all the recommended management practices to be followed were described visually. In the last section, this course mainly provided a thumb rule strategy to identify the maturity of Dendrobium orchids and clearly described the most appropriate harvest and post-harvest techniques widely accepted all over the World. Finally, provided different packaging and storage conditions to be maintained to enhance the shelf life of the flowers considering its export potential. Thus, this course provides an overview of the entire package of practices that must be adopted to cultivate Dendrobiums scientifically under the controlled conditions, aiming to achieve maximum production as well as profit.

UDEMY COURSE ON FUNDAMENTALS OF CULTURE



Fig. 23. Free Udemy Course on Fundamentals of Culture by Dr. Atanu Deb

RESEARCH AND PUBLICATIONS

Fig. 24 highlights the contribution of the University's high-volume research output—1,001 publications in 2024 (Scopus/WoS)—to the United Nations Sustainable Development Goal 4 (SDG4), which aims to "Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all."



Fig.24. Research Publications, 2024 (Source: Scopus & WoS Database)

The remarkable achievement of 1,001 total publications in 2024 is not merely an academic metric; it is a significant contribution to global educational equity. The University is transforming its research into a practical and scalable resource through a commitment to Open Access, embodying the spirit of SDG4 by providing access to high-quality academic knowledge for all.

QUALIFICATION PACKS AND SDG-4

In 2024, 13 Qualification Packs (QPs) were developed across Agriculture, Capital Goods, and allied sectors, with 30 beneficiaries. These QPs include skill areas such as crop management, post-harvest storage, value addition, aquaponics, seaweed cultivation, CNC programming, reverse engineering, and plastic mold design.

Aligned with **SDG 4 (Quality Education)**, these initiatives contribute to:

- **Inclusive and equitable access** to industry-relevant vocational education.
- **Skilling for sustainable agriculture and advanced manufacturing**, preparing youth for emerging job roles.
- **Promoting lifelong learning opportunities**, ensuring knowledge transfer in both traditional and modern sectors.

Table3: Qualification Packs, 2024

QUALIFICATION NAME	LEVEL	SECTOR	LEVEL
Crop and Plant Supervisor	5	Agriculture	2024
Post-harvest Commodity Test and Storage Supervisor	5	Agriculture	2024
Agriculture Value Addition Consultant	5	Agriculture	2024
Reverse Engineering and Additive Manufacturing QA Supervisor	5	Capital Goods	2024
CNC Turning Programmer	5	Capital Goods	2024
CNC Milling Programmer	5	Capital Goods	2024
Plastic Mold Design and Manufacturing Engineer	6	Capital Goods	2024
Remote Sensing junior Analyst (Agriculture)	5	Agriculture	2024
Aquaponics Cultivator	4	Agriculture	2024
Polinator Habitat Maker	3.5	Agriculture	2024
Topiary Garden Artist	4	Agriculture	2024
Seaweed Grower and Processor	4	Agriculture	2024
Vermimanuring Technician	4	Agriculture	2024



“

From the course Practical Crop Production, I have gained hands-on experience in field-level crop management. I have learnt about the various growth stages of different crops, the application of fertilizers such as urea, MOP, and BAP at appropriate stages, and the importance of intercropping operations for better crop growth and yield. This practical knowledge has strengthened my understanding of crop production techniques and their role in achieving sustainable agricultural productivity.

Soumya Panda
MSSoA



“

I had the privilege of attending the FDP on Research Data Appreciation & Application held on 19 June 2024. The session enriched my understanding of data analysis, research design and application of statistical tools. It provided valuable insights into evidence based academic research and enhanced my proficiency as a researcher.

Swapnankita
Faculty, School of Management



TABLE 3: 4.3.1 OPEN ACCESS RESOURCES

Heading / Initiative	Participants / Beneficiaries	Impacts / Outcomes
Courses Leading to Certificate or Award	47 free courses; 1,000+ beneficiaries	Promotes lifelong learning, employability, and entrepreneurship; bridges gap between formal education and community learning; practical, job-ready skills across domains like digital literacy, computational biology, driving, and basic electrical training.
Free Access to Campus Facilities & Equipment	Computer Labs: 1,100 computers; 2,000+ learners	Enhances coding, digital literacy, data analysis skills; bridges digital divide; empowers technology-enabled learning.
Library Access (Physical & Digital)	2,55,550+ beneficiaries; seating for 220; all age groups	Multidisciplinary academic support (STEM, management, law, agriculture, humanities); global research exposure (Web of Science, Scopus, IEEE Xplore); legal research support (Manupatra, LexisNexis); inclusive learning via DELNET & J-Gate; promotes research excellence and lifelong learning.
Research Facilities & Labs	School students (5293), non-university learners, entrepreneurs, professionals	Hands-on training in biotechnology, engineering, agriculture, pharmaceuticals; exposure to advanced equipment (HPLC, NABL labs, spray dryers); promotes inquiry, innovation, interdisciplinary learning, and industry-readiness.
Courseware & Open Learning Resources	30,000 viewers (2023), 36,000 (2024), 43,000 (2025 projected)	Interactive, context-specific e-learning for slow learners and general public; supports anytime, anywhere learning; promotes lifelong learning and workforce readiness; fosters learner-centric technology-based education.
Online Programs & Hybrid Learning	Global and remote learners	Expands access to quality education; promotes lifelong learning; aligns curriculum with industry needs; enhances employability; reduces disparities in education; global learning community.

3D/AR/VR Learning Solutions	Learners across engineering, science, medicine, healthcare, aquaculture, mechanical sciences; 230+ immersive digital assets	Immersive experiential learning; accessible interactive simulations; practical skill development; fosters innovation, next-generation learning; prepares students for industry-relevant problem-solving.
Online Video Lectures & Open Programs (YouTube, Udemmy, Free Training)	Examples: Gerbera Cultivation – 1,267 learners; Dendrobium Orchids – 791 learners	Skill-based hands-on learning; empowers learners in agriculture, culinary arts, fish processing; supports employability, entrepreneurship, and community development; promotes lifelong and inclusive education.

Table 4: Projection Model (2026–2030)

Year	Projected Beneficiaries	Increment over 2025	Key Enablers
2026	3,44,434	+22,533	Courseware mobile app; more open certifications
2027	3,68,545	+24,111	Integration of AI/ML learning modules; EdTech partnerships
2028	3,94,343	+25,798	Global MOOC collaborations; rural digital labs
2029	4,21,946	+27,603	5G cloud campus access; expansion of AR/VR content to 1,000 assets
2030 (Projection)	4,51,482 ≈ 4.5 lakh	+1.3 lakh (40 %) from 2025 base	Universal open education model – “Centurion University Learning for All 2030” initiative

Centurion University has established a transformative model of inclusive education, reaching beyond its enrolled students to empower communities through equitable access to knowledge and skills. By offering free certificate programs, open courseware, extensive library access, modern research facilities, and advanced digital platforms such as AR/VR learning and hybrid online education, Centurion University has tangibly advanced Sustainable Development Goal 4 (Quality Education).

With more than 3.2 lakh direct beneficiaries as of 2024, the University has become a regional and national benchmark for accessible, technology-driven education. By 2030, Centurion University is projected to reach over 4.5 lakh learners, strengthening its mission of “Shaping Lives, Empowering Communities.”

These initiatives not only bridge socio-economic and digital divides but also create pathways for lifelong learning, employability, and entrepreneurship. The university's open-access ecosystem exemplifies SDG 4.3.1 in action—ensuring that education becomes a public good, enabling every learner to innovate, prosper, and contribute to a sustainable future.

4.3.2. Public Events at the University Open to the Public

Centurion University regularly hosts events open to the general public, including community education programs, conferences, public lectures, trainings, and workshops. These initiatives, both planned and ad-hoc, provide opportunities for learning, skill development, and community engagement. Centurion University supports inclusive and equitable quality education (SDG 4), promotes lifelong learning, and contributes to sustainable regional development by making educational resources and expert insights widely accessible.

COMMUNITY ENGAGEMENT

The M.S. Swaminathan School of Agriculture at Centurion University hosts the Kisan Mela to promote sustainable agriculture and community learning, supporting SDG 4 (Quality Education). As part of their Rural Agricultural Work Experience (RAWE) program, students organize Agri Exhibitions, connecting with farmers to share knowledge, showcase innovations, and transfer practical agricultural technology—empowering both students and the local farming community.

AGRI EXHIBITION

The Agri Exhibition held on 22nd October 2024 at PeddaLogidi village was organized by the Rural Agricultural Work Experience (RAWE) students of Centurion University under the guidance of Dr. Ashok Kumar, with active support from university officials and agricultural department officers. The primary objective of the exhibition was to disseminate modern agricultural technologies to farmers while creating a platform for practical interaction between students and the rural community. The event was inaugurated by agriculture and horticulture officers in the presence of Centurion University deans and faculty members. Experts addressed farmers on topics such as fertilizer management, government schemes, pest and disease control, horticultural crop cultivation, mushroom farming and seed production. Various technologies and models such as Krishak Drone, Survey Drone, Drum Seeder, Power Weeder, Polyhouse structures, sticky traps and mushroom units were showcased. Farmers received clarity on the cost and feasibility of these technologies, including drone spraying.

Snap shots During Agri Exhibition



Fig.24. Agri Exhibition, 22 Oct.2024

A total of 55 farmers participated actively engaged with students and officials, seeking guidance on subsidies and machinery usage. Farmers expressed high satisfaction with the program and suggested that future events be conducted in the morning hours for better participation. Overall, the exhibition successfully connected scientific innovation with rural practice, motivating farmers to adopt modern, sustainable agricultural methods while providing students with valuable field-based learning and extension experience.

RURAL HAAT AND KRISHI/KISAN MELA

The KisanMela 2024, organized by Centurion University Odisha, aimed to educate farmers on innovative agricultural techniques, organic farming and climate resilient practices. Experts from agriculture and allied sectors provided hands-on demonstrations and interactive sessions.

Agricultural Market: Platform for local farmers and rural producers

- Student Facilitation: Market management and coordination roles
- Supply Chain Learning: Practical agricultural commerce experience
- Community Development: Direct rural community support and engagement
- Rural Haat and KrishiMela engaged 5000+ farmers in sustainable practices.

The OLEM Farmers Training on Mushroom Cultivation was conducted by the School of Agriculture, Centurion University Odisha, in 2024, covering mushroom species identification, cultivation of paddy straw and oyster mushrooms, disease management, harvesting, and post-

harvest processing. The training aimed to equip farmers with skills for self-employment and income generation through mushroom farming.

The Fish Farmers Training Program was conducted by the School of Fisheries, Centurion University Odisha, in 2024, focusing on scientific fish farming, advanced aquaculture techniques, and post-harvest technologies. The program also included sessions on value-added fish products and sustainable fisheries practices.



Fig 26. NFDB sponsored training program, September 18, 2024 (25 farmers trained at Centurion University)

YOGOTSAV-2024: EMPOWERING EDUCATION AND WELLNESS

Centurion University is proud to host YOGOTSAV-2024 on 5th April (Friday), in collaboration with the Morarji Desai National Institute of Yoga, Ministry of Ayush, Govt. of India. This event highlights our commitment to fostering a holistic educational environment by integrating Yoga and Wellness, aligning with the United Nations Sustainable Development Goal 4 (SDG4): Quality Education.



Fig.27 Yogotsav, 5 April 2024



At the heart of YOGOTSAV-2024 is the philosophy of promoting physical and mental well-being, essential for student success and lifelong learning. By introducing Yoga into the educational ecosystem, we aim to create a balanced approach to health and education, ensuring that students, faculty, and participants develop the tools for both academic

excellence and personal wellness. The event streamed live for the public on August 28, 2024 has recorded 1,795 views.

Centurion University PUBLIC HEALTH EVENTS AS LEARNING PLATFORMS

Advancing SDG 4 through Community Engagement

Centurion University actively transforms public health events into dynamic educational outreach platforms, ensuring that every health intervention also becomes an opportunity for learning, awareness and skill-building. Whether through large-scale health camps, mobile medical outreach vans, vision screening drives, teleconsultation events, Ayurveda and wellness demonstrations, or international immersion programs, Centurion University brings education directly into the public sphere - aligning SDG 3 (Health & Well-Being) with SDG 4 (Quality Education).

Table1: Public Events, 2024

Type of Public Event Conducted by Centurion University	Educational Impact (SDG 4 – Quality Education)
Health Care on Wheels & Vision Care on Wheels Camps (in partnership with LIC, GAIL, SAIL, Essilor)	Students gain <i>experiential learning</i> through direct patient interaction and community service
Public Eye Health & Wellness Camps in Villages and Schools	Health & optometry students conduct screenings, improving communication and leadership skills
Teleconsultation Events in Rural Panchayats	Students learn digital healthcare delivery and tech-enabled health systems
Wellness Demonstrations (Yoga, Ayurveda, Physiotherapy)	Public workshops double as live teaching labs for allied health students
International Community Health Visits (e.g., Western Sydney University)	Joint immersion programs promote cross-cultural learning

ACCESS TO PUBLIC LECTURES

Lectures are made available to the public, either live or through recorded sessions. Lectures, expert talks, and special learning sessions from workshops, seminars, and conferences, along with recordings of these sessions, are made accessible to the public. This initiative promotes lifelong learning and community engagement by providing wider access to educational resources, ensuring that knowledge is shared beyond the university's immediate student body.



Fig.28. Invited Talk on Enriching Academic Experience for HE Institutions, 5 April 2024

Centurion University provides public access to expert talks, lectures, speeches and workshops, fostering knowledge sharing and lifelong learning. Education Leader Conclave, featuring esteemed speaker Prof. Supriya Pattanayak, Vice Chancellor of Centurion University. Around 100 external participants gain insights on "Enriching Academic Experience for Higher Education Institute".

CONFERENCES, SEMINARS, WEBINARS AND WORKSHOPS

A diverse range of academic and professional events were conducted for the internal members and general public including topics such as research data analysis, machine learning, environmental sustainability, artificial intelligence (AI), quantum computing, generative AI, business management, publication ethics, disaster management, law, pharmacy, healthcare advancements and social impact to foster a culture of continuous learning. Key thematic areas included wealth creation through systematic investment plans, financial literacy, insurance, and sales strategies. In life sciences, focus areas ranged from drug design, hepatitis awareness, molecular biology, pharmacy, to animal handling. Cutting-edge technologies for next-generation management were also emphasized, including cloud computing, AI, blockchain, 5G, IoT, Linux, cybersecurity, MATLAB, and Python.

Sustainability and agriculture were highlighted extensively via sessions on agri-vision, smart agriculture, solar-powered machinery, food safety, and sustainable agricultural production techniques. Career planning and skill development were addressed through orientation programs, alumni talk, soft skills workshops, entrepreneurship sessions and women empowerment initiatives. Interdisciplinary sessions spanning public health (e.g., World Drug Day, World Doctors Day), law and justice, urban resilience, higher education, bioinformatics, vision therapy, human values, ethics, and organizational development enriched the event portfolio. Faculty development, academic writing support, GIS, environmental science, biodiversity, and advanced communication workshops strengthened research and teaching competencies. A combination of national and international events facilitated collaboration,

awareness, and holistic development across sectors including medicine, pharmacy, engineering, management, technology, agriculture, and social sciences.

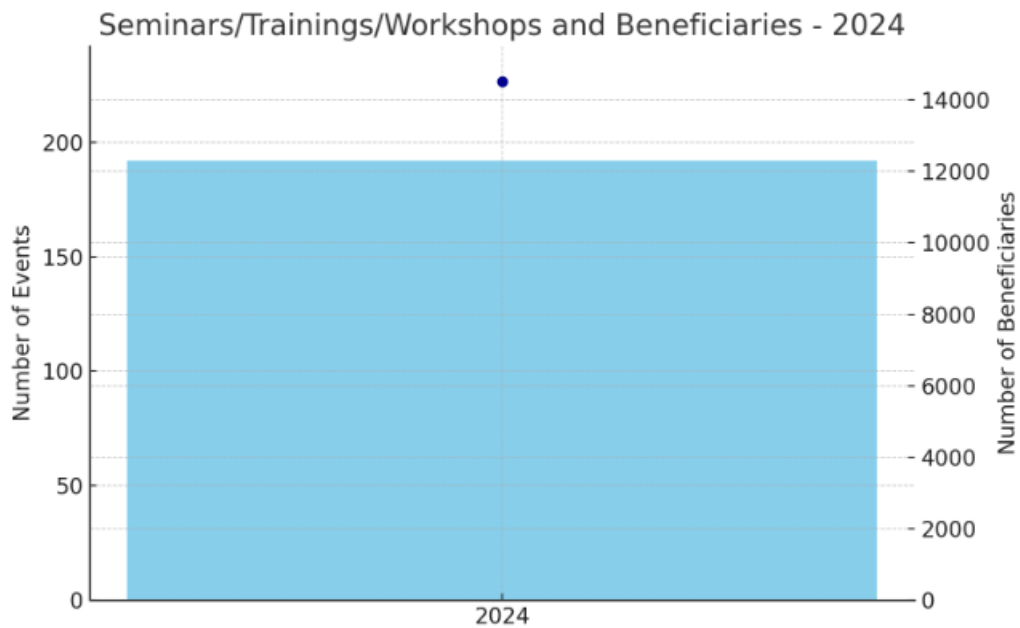


Fig.29 Event Beneficiaries, 2024

Glimpses of National and International Conferences for internal members and general public



The School of Management in collaboration with the Operational Research Society of India, Bhubaneswar Chapter, successfully hosted the International Conference on Viksit Bharat: Innovative Business, Agriculture, Technology and Resource Management for Sustainable Growth (ICVBSG-2024) on 26–27 September 2024 at Paralakhemundi Campus. The conference witnessed 200 delegate participation, 150 external participants from various

institutions of 15 countries, including Australia, the Netherlands, Bangladesh, Ethiopia, Fiji, India, Malaysia, Nepal, Poland, Saudi Arabia, Sri Lanka, Syria, Thailand, the UAE and the UK. This conference aligns with India's national agenda, Viksit Bharat, a vision of a developed and inclusive India by 2047. The conference provided a platform to discuss pressing issues and innovations in fields such as Management and Operations, Sustainable Agriculture, Disruptive Technologies, Sustainable Livestock and Aquaculture Best Practices and Inclusive Development. A standout feature of the conference was the Student Track under the initiative “Ideas from Youth for Viksit Bharat @ 2047”, which provided a forum for young voices to contribute ideas that will help shape the future of the nation. Presentations and discussions focused on key objectives, including SDG8 (Decent Work and Economic Growth), SDG9 (Industry, Innovation, and Infrastructure), SDG12 (Responsible Consumption and Production), SDG13 (Climate Action), and SDG17 (Partnerships for the Goals).



Viksit Bharat: Centurion University hosts international conference on sustainable growth and innovation

PBO BUREAU

PARALAKHEMUNDI, SEP 28

CENTURION University of Technology and Management (CUTM), in partnership with the Operational Research Society of India (ORSI), Bhubaneswar Chapter, successfully wrapped up the two-day International Conference on "Viksit Bharat: Innovative Business, Agriculture, Technology and Resource Management for Sustainable

Growth" on Friday. The event drew over 200 participants, including renowned global experts, researchers, and policymakers from more than 15 countries, both in-person and virtually.

Held at CUTM's Patna Lakshemundi campus, renowned for its emphasis on agricultural sciences, fisheries, and veterinary education, the conference aligned with India's vision for a developed and inclusive Viksit Bharat by 2047. This campus has emerged as a

center of sustainability and innovation, especially with its School of Agriculture recently earning NAAC accreditation. The school plays a vital role in advancing sustainable agricultural practices, livestock management, and aquaculture through pioneering research and training initiatives.

A significant highlight of the conference was the keynote session titled "Sustainable Development for Viksit Bharat: The Way Forward," chaired by Abha Mishra from UNDP,



Odisha. The session featured a panel of global experts discussing pivotal topics such as AgriTech's impact on sustainable agriculture and innovative

resource management strategies – essential components of the Viksit Bharat initiative.

The conference also showcased 160 research paper pre-

sentations, fostering collaboration between seasoned professionals and emerging researchers. This exchange of ideas is crucial for developing innovative solutions for India's future. Attendees were also presented with the Book of Abstracts cum Souvenir, encapsulating the key discussions and breakthroughs from the sessions.

Centurion University's leadership, including President Prof. Multi Kanta Mishra and Vice-Chancellor Prof. (Dr.)

Supriya Pattanayak, underscored the conference's significance in propelling sustainable growth. "This event has reinforced our commitment to innovation and collaboration, essential for realizing India's aspirations for 2047," said Prof. Mishra.

The conference concluded with a renewed determination to pursue sustainable development, fostering international partnerships and groundbreaking research to enhance India's growth narrative.

Fig.30. Collage of Viksit Bharat Conference, 26–27 September 2024

Hosted by Centurion University, the Third Global South Nexus (GSN) International Conference convened in Odisha from 23–25 January 2024, uniting 376 (300 participants from other universities and online participants) participants including scholars and practitioners around the theme, "Creating Responsible Professionals for Sustainable Community Futures." Over two days, participants presented innovative research, while the third day featured immersive site visits to smart city developments around Bhubaneswar-grounding theory in real-world context. Guided by learned voices like Vice Chancellor Professor SupriyaPattanayak, the conference fostered cross-disciplinary dialogue and actionable strategies for sustainable development in Global South contexts. GSN 3 exemplifies Centurion University's commitment to advancing inclusive, real-world oriented learning aligned with global sustainability goals



Fig.31. Glimpses of GSN Conference, 23-25 January

AYUSH- SPONSORED NATIONAL CONFERENCE

The AYUSH-sponsored two-day National Conference cum Workshop on “*Advancement in Animal Handling and Generative AI for Pre-clinical Studies*”, held on 28th and 29th June 2024 at Centurion University, embodied the core values of Sustainable Development Goal 4 (SDG 4): Quality Education. With over 350 participants, the event provided a rich platform for academic learning, research exchange, and skill enhancement. Day one began with an inaugural session featuring eminent academicians and scientists. Keynote addresses and scientific presentations explored critical topics like pre-clinical research methodology, carcinogenicity studies, predictive models of animal behaviour, and the integration of generative AI in pharmaceutical science. Experts delivered insightful sessions that promoted research-based learning and ethical scientific practices. Workshops on day two emphasized hands-on training in animal handling techniques, drug administration, behavioral studies, bioanalysis, and radiographic assessments. Poster and oral presentations encouraged participants to showcase original research, evaluated by distinguished judges from renowned institutions. The event

highlighted interdisciplinary learning and experiential education, fostering advanced competencies in pre-clinical studies. By integrating cutting-edge science with practical application, the conference contributed significantly to higher education, vocational training, and lifelong learning opportunities, aligning strongly with SDG 4. It empowered participants with both knowledge and skills to drive innovation in biomedical research and healthcare.



Fig 32. AYUSH-sponsored two-day National Conference cum Workshop on “*Advancement in Animal Handling and Generative AI for Pre-clinical Studies*”, 28th -29th June 2024

Webinars: Regular sessions on emerging fields such as blockchain technology, virtual reality, AR/VR and machine learning.



Fig.33.Avalanche Bootcamp (Workshop & Hackathon), 24th - 27th September 2024



(292 beneficiaries)



(beneficiaries)

CELEBRATION OF INTERNATIONAL GEOGRAPHICAL INFORMATION SYSTEMS GIS DAY 2024



Fig.36: International GIS Day, 18 Nov. 2024 (160 online beneficiaries)

Centurion University proudly celebrated International GIS Day 2024, reaffirming its commitment to inclusive, innovation-driven education and sustainable development. The celebration brought together faculty, students, researchers, industry experts, and members of the wider community to explore the transformative potential of Geographical Information Systems in environmental monitoring, rural development, agriculture, disaster preparedness, and urban planning. Through expert talks, live demonstrations, and student-led presentations, participants gained hands-on experience with cutting-edge geospatial tools and their practical applications. By opening this platform to the public, the university ensured that educational resources and expert insights were accessible to a diverse audience, promoting inclusive and equitable quality education (SDG 4) and inspiring lifelong learning. The event not only raised technological awareness but also encouraged participants to adopt GIS as a powerful tool for problem-solving and sustainable development. Aligned with SDG 4 and SDG 9 (Industry, Innovation, and Infrastructure), Centurion University continues to foster interdisciplinary learning, community engagement, and regional impact through such initiatives.

EMPOWERING THE EDUCATORS

Centurion University didn't stop at students-it turned its lens on teachers. Through Faculty Development Programs and CHSE Teachers' Training, educators were introduced to AI tools, AR/VR, drone technology and NEP 2020-aligned pedagogy.

FACULTY DEVELOPMENT PROGRAM FOR SENIOR LECTURERS (DTET, ODISHA)

Faculty Development Program (FDP) by the Directorate of Technical Education and Training (DTET), Odisha, commenced in 2024 at Centurion University. Aimed at empowering senior lecturers from various government polytechnics, the program focused on enhancing leadership, pedagogical, and technological competencies, in alignment with the National Education Policy (NEP) 2020 and Sustainable Development Goal 4 (SDG 4) - ensuring inclusive and equitable quality education and promoting lifelong learning. The sessions were carefully curated around cutting-edge technologies and academic leadership. Topics included AI and GenAI tools, AR/VR, Blockchain, Cloud Computing, IoT, Robotics, Drone Technology, and Industry 4.0, providing educators with hands-on exposure and practical applications for their classroom environments. Additional emphasis was laid on team dynamics, HR practices, electric vehicle manufacturing, and the integration of NEP principles into institutional strategy. Over 33 senior lecturers from various technical institutions across Odisha participated. Through interactive sessions and campus immersion, participants were empowered to introduce innovation-driven, student-centric, and digitally integrated learning models. This initiative enriched the participants by:

- Equipping educators with the tools to deliver future-ready, skill-based education.
- Promoting technological inclusion and innovation in teaching methodologies.
- Supporting the professional development of faculty for improved learning outcomes.

The program concluded with a valedictory session, reflecting a shared commitment to transform the technical education landscape of Odisha through continuous learning and innovation. This FDP serves as a model for institutional capacity building aligned with both national priorities and global educational goals. The message was clear: to teach the future, one must first learn it.

CHSE TEACHERS' TRAINING AT CENTURION

Centurion University successfully hosted a Teachers' Training Programme for lecturers under the Council of Higher Secondary Education (CHSE), Odisha, focusing on the subjects of English, Physics, Zoology and Botany. The training was designed in alignment with Sustainable Development Goal 4 (SDG 4), which emphasizes inclusive and equitable quality education and the promotion of lifelong learning opportunities for all. The program aimed to empower educators with contemporary pedagogical tools, subject-specific advancements, and hands-on learning techniques. Participants engaged in sessions that blended theory with practical exposure, ensuring a shift from traditional rote-based teaching to more experiential and inquiry-based methods. For science subjects like Physics, Zoology, and Botany, the training included laboratory demonstrations, experiment-based teaching modules, and real-life applications of classroom concepts. English sessions focused on interactive methodologies, language immersion techniques, and the use of technology-enabled communication tools to enhance classroom engagement. The university's state-of-the-art infrastructure and outcome-based education model provided the ideal environment for professional growth. Trainers emphasized competency-based learning, assessment strategies, and the integration of digital

resources to make education more inclusive and effective. The training program fostered collaboration, critical thinking, and curriculum alignment with National Education Policy (NEP) 2020, thereby reinforcing the commitment to SDG 4. Teachers left the program better equipped to deliver learner-centered education that supports the diverse needs of students in Odisha's higher secondary system. Overall, the initiative served as a vital step in upgrading teaching standards and fostering lifelong learning among educators, thus ensuring a ripple effect of quality education across classrooms in the state.





Fig.37: FDP for Senior Lecturers, 16-20 Dec.2024

Grassroots Leadership in Action

At the community level, Centurion University partnered with the Government of Odisha for a three-day training for PACS Secretaries. These local leaders gained hands-on skills in agriculture, waste management, and digital literacy. Meanwhile, the OPTCL training program blended finance, compliance, and soft skills, proving that professional development can and should be holistic.

TRAINING PROGRAM FOR PACS SECRETARIES

The 3-day training program for the Secretaries of Primary Agricultural Cooperative Societies (PACS) was organized on 26th and 27th April 2024 by the Registrar of Cooperative Societies, Government of Odisha in collaboration with Centurion University, aligns strongly. The program emphasized skill development, practical learning and community-based knowledge-core components of SDG 4. It provided experiential training to 31 participants in areas such as sustainable agriculture, waste management, financial inclusion, healthcare, and digital literacy. The curriculum incorporated visits to real-life units such as the dairy, apparel, paver, pharmacy, and curcumin extraction facilities, offering participants hands-on exposure to diverse vocational sectors. Innovative sessions on drone technology, greenhouse management, integrated farming, and orchid cultivation introduced modern, sustainable solutions tailored for rural development. By focusing on both theoretical and practical knowledge, the program fostered lifelong learning technical and vocational education and encouraged skills for entrepreneurship and employability. Reflective discussions helped participants consolidate their learnings and apply them effectively in their communities. In essence, this initiative serves

as a replicable model for adult education that bridges the gap between grassroots needs and academic expertise. It empowered PACS secretaries to become active contributors to rural development, demonstrating how quality education can drive sustainable and inclusive growth in line with SDG 4.



Fig.38: Training program for the Secretaries of Primary Agricultural Cooperative Societies, 26-27 April 2024

OPTCL Training

The 15-day training programme conducted by Centurion University for 30 employees of Odisha Power Transmission Corporation Limited (OPTCL) is a remarkable example of promoting inclusive and equitable quality education and lifelong learning. Spanning from 29th February to 15th March 2024, the training emphasized experiential, interactive, and interdisciplinary learning. It covered a wide range of topics including inventory valuation, tax compliance, cost audit, terminal benefits, and finance functions, directly enhancing professional competencies and workplace productivity. Delivered by both internal faculty and external experts, the sessions encouraged critical thinking and innovation-essential components of SDG 4.4, which focuses on skills for employment and entrepreneurship. Beyond technical content, the programme emphasized soft skills, including management essentials, gender sensitization, digital communication, team building, and personal etiquette, contributing to holistic personal and professional development. Use of perception and personality games, workshops, and MS Excel training ensured that learning was both engaging and practical. The learning environment at Centurion University-including serene gardens and reflective spaces-contributed to a well-rounded educational experience, encouraging participants to rejuvenate and bond. The valedictory ceremony marked not only the conclusion of the programme but the beginning of a mind-set transformation among OPTCL employees. This initiative effectively aligns with SDG 4 by promoting lifelong learning, capacity building, and fostering innovation for a skilled and sustainable workforce.

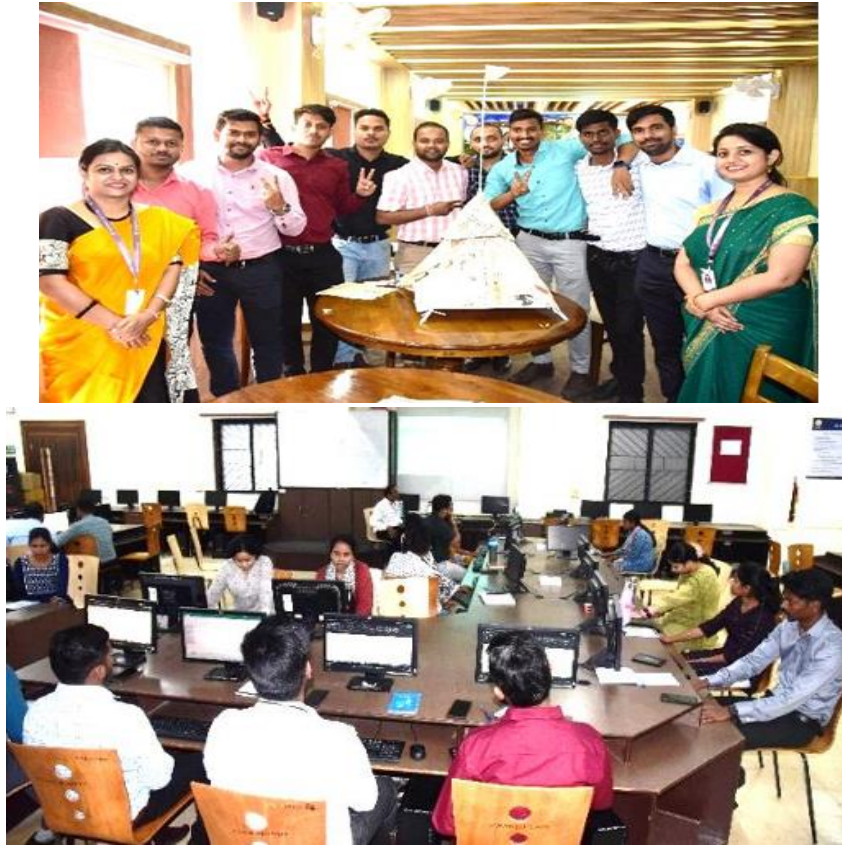


Fig.39: OPTCL Training, 29th February to 15th March 2024

Students Take the Stage

Centurion University’s student-led festivals, Culminace and Manzar 3.0, were more than cultural showcases—they were incubators of entrepreneurship, financial literacy, and creative leadership. The Avalanche Bootcamp and Hackathon pushed boundaries further, immersing participants in machine learning, AR/VR and blockchain, turning curiosity into capability.

Culminace and Manzar from the School of Management

Centurion University successfully organized two transformative student-led festivals, Culminace at the Bhubaneswar campus and Manzar 3.0 at the Paralakhemundi campus—both aligning strongly with Sustainable Development Goal 4 (SDG 4), which emphasizes inclusive and quality education and lifelong learning. Manzar 3.0, aimed at fostering managerial acumen and entrepreneurial thinking. The fest included events like Create-a-Thon, a rigorous 18-hour challenge that honed strategic thinking and real-world problem-solving. Sessions by industry experts such as Mr. Ravi Subramanian and Mr. Dev Mohapatro provided students with practical insights into finance, leadership, and innovation. Events like Capital Clash and AD Quest enhanced financial literacy and marketing skills, while the Scavenger Hunt promoted teamwork and critical thinking. The cultural night celebrated students’ artistic talents, fostering creative expression. Later in the year, Culminace, extended this educational impact through business case challenges, creative showcases, and e-sports competitions. Events like Crack

theCase, Battle of Brains, and the Tarang Bazar entrepreneurial fair provided experiential learning environments where students applied theoretical knowledge to practical scenarios. The presence of theme nights, including performances by influencers and artists, created opportunities for social learning and networking. Both events encouraged holistic development, provided inclusive platforms for diverse talents, and equipped students with 21st-century skills such as leadership, communication, innovation, and digital fluency. By integrating learning with creativity and real-world engagement, Culminace and Manzar exemplified Centurion University’s commitment to SDG 4, empowering youth through education that is active, accessible, and aligned with the needs of a changing world.



Fig.40. Manzar 3.0, April 8-9, 2024 (755 viewers)

SKILL TRAINING FOR AUSTRALIAN ABORIGINAL

A skill-based training program was conducted for Australian Aboriginal students from 9 June to 12 September 2024, covering two batches with a total of five participants. The initiative supported inclusive and equitable quality education by equipping learners from a marginalised community with employable technical skills. Batch-4 focused on Multi-Skill Plumbing Training, covering plumbing practices, pump operation, basic electrical applications and solar-related components. This batch followed a structured Activity cum Lesson Planner, and was delivered through NOS-based modules combining theory with practical learning. Batch-5

centred on AFL (Activity-Based Functional Learning) and Basic EV Maintenance, offering foundational technical exposure and introductory knowledge of electric vehicle diagnostics and servicing. By providing hands-on, industry-relevant training, the program not only enhanced individual capabilities but also contributed to community empowerment and lifelong learning opportunities in line with SDG 4.



Fig.41.Skill-based training program for Australian Aboriginal students, 9 June -12 September 2024

EXPOSURE BASED TRAINING FOR OFS PROBATIONERS

Centurion University offered an immersive exposure-based training program to 24 OFS Probationers of the 2024 batch, directly advancing the goals of SDG 4-Quality Education. The program highlighted Centurion University's commitment to inclusive, practice-oriented, and innovation-driven learning. Participants were introduced to state-of-the-art academic and skill development facilities, including advanced laboratories, the M.S. Swaminathan School of Agriculture, fisheries and hydroponic units, protected cultivation centres, renewable energy projects, and research-oriented initiatives in smart agriculture and rural livelihoods. The

training emphasized experiential learning, interdisciplinary education, and real-world applicability—key pillars of SDG 4. The visit included community and cultural immersion through interactions with tribal communities, exposure to traditional knowledge systems, and engagement with faculty and leadership, reinforcing the importance of education as a tool for empowerment, sustainability, and social equity. Through this initiative, the probationers gained first-hand insight into how quality education can drive innovation, inclusivity, and community transformation.



Visit to the Vanilla plantation and Ornamental Fish rearing at CUTM, Paralakhemundi.



Visiting and getting to know the implementation and practice of Hydroponic farming technologies practiced at CUTM, Paralakhemundi

Fig.42.OFS Training, 19 October 2024

“In late afternoon, we started the tour of the campus with the Garden where various flowers and plants like vanilla were grown at controlled environment. I personally witnessed how the agriculture students were doing research on the Jharbera flower plants, the research was being conducted to boost production and help the Local Farmers search for new opportunities of earning thus helping reduce the poverty among the Farmers who may not be getting the right”.

DilipKindo

“We visited the Saora Tribal Museum Visit, the institution likely showcased the rich traditions and heritage of the Saora tribe from Gajapati district, contributing to the conservation and awareness of tribal practices. Guided by expert Shri.SrinivasaGamangoji, the visit enhanced our understanding of tribal culture, sustainable living practices, and historical preservation of PVTG like the SAORA Tribe”

Participant

TECHNICAL VOCATIONAL EDUCATION AND ON THE JOB TRAINING WITH LEADING INDUSTRY PARTNERS

Centurion University, in partnership with Lernern India, offers Skills-Integrated and Apprenticeship-Embedded Further & Higher Education Programs designed to empower unskilled and semi-skilled workers through technical vocational education, work-integrated learning, and industry apprenticeships. These programs follow a “Learn and Earn” model, combining classroom instruction, online learning, and hands-on on-the-job training with leading industry partners, enabling students to gain practical skills while earning a stipend.

Centurion University, the first NAAC A+ accredited Skills University in India, has an internationally recognized model of industry-led, experiential learning, aligned with NEP 2020 and inspired by Australia’s TAFE and Germany/Switzerland’s dual education system. Lernern, bridges vocational education with higher education through its Work Integrated Skills Training & Apprenticeship (WISTA) program, collaborating with major companies like Haier, TATA Technologies, Godrej, and Motherson Group.

The programs are delivered across 15 states with 30 centers, serving 500,000+ trainees to date and facilitating 100,000+ youth placements in sectors such as automotive, manufacturing, apparel, textiles, BPO, and electrical systems. WISTA covers multiple pathways, including Flexi-MoU students, trade apprentices, contract staff, and embedded D.Voc/B.Voc learners, with curricula aligned to NSQF job roles and NOS standards.

Skills Integrated & Apprenticeship Embedded
Further & Higher Education Programs

Lernern India

Educator | Employer | Employee

Training: Our Presence in Across India

About Lernern & What we do

GTVET is a social entrepreneurial and industrial implementation. Out reach arm of Centurion University incubated under Startup Odisha

Our Presence

- 15 States / 30 Centers
- 500,000+ trainees enrolled to date
- 100,000+ youth migrated for jobs

Odisha: 18 Centers

Assam, Meghalaya: 4 Centers

Punjab: 2 Centers

Delhi, HP, MP, AP, Telangana, Gujarat,

Chhattisgarh, Maharashtra, Rajasthan,

600+ NCR Institutes

NCR, Punjab, Haryana: 1,000+ placed in Automobile & Auto component via, IOD

Pune, Vajp: 1,000+ placed in Auto component hub

Bengaluru: 10,000+ placed in Apparel & Textile, IOD

Chennai, Tirupur, Coimbatore: 10,000+ Auto & Auto Component, Manufacturing IOD, Apparel & Textile

Kolkata, Jharkhand: 1,000+ placed in BPO

- Hub
- Mini Hub
- Placement Post
- Placement Support Center
- Center with school project
- Statewide trainings centers

Traditional ITI / Diploma

1,200 Hours of Classroom Training

2,000 Hours of Practical Training

Flex Learning

540 Hours of Blended Learning

240 Hours of Practical Training

1,820 Hours of On-the-Job Training

Fig.43. Lernern-Skill Program, 2024

Training methodology emphasizes a blended learning approach: 20% onsite, 35% online, 25% through LMS, and 20% immersive campus-based learning, prioritizing practical, industry-relevant skills over traditional classroom hours. The programs lead to nationally recognized accredited certifications, Diploma of Vocation (D.Voc) and Bachelor of Vocation (B.Voc) degrees, with theory-practical mix ensuring job readiness, career growth, and enhanced employability.

Key benefits for students include accredited certifications, career progression, practical skill development, and financial support through stipends, while industry partners gain a skilled, productive workforce with opportunities for CSR fund utilization and enhanced workforce retention.

Courses offered include Electrical Systems & Maintenance, Manufacturing Technology, Automobile Servicing, and Supply Chain Management, all designed for hands-on, industry-aligned training with real-world exposure and apprenticeship opportunities.

The program flow involves MoU signing, program design, candidate recruitment, onboarding, deployment, on-the-job training, and certification, with Lernern managing the end-to-end process for industry partners, effectively shaping a future-ready workforce through integrated education and practical skill development.

This initiative directly contributes to SDG 4 (Quality Education) by providing inclusive, equitable, and industry-relevant education that enables lifelong learning and employability, particularly for marginalized and semi-skilled youth.

J C KUMARAPPA TECHNOLOGY PARK AND INNOVATION CENTER

J C Kumarappa Technology Park and Innovation Center (JCK-TP-IC) is a Limited Liability Partnership (LLP) incubated with Centurion University, designed to drive sustainable development in rural India through technological advancements and skill development initiatives. Named after J C Kumarappa, a key figure in Gandhian economics who emphasized the importance of rural self-reliance, the center aims to integrate traditional rural technologies with modern innovations.

Various Units of JCK-TP-IC

1. S K Mirmira memorial Clay Studio
2. Acharya Nandalal Bose Craft Studio
3. S R Ranganathan Memorial Community Knowledge Library
4. PanditRavishankar Memorial indigenous music ashrama
5. Stockholm Papyrus Natural Tye Dye Studio
6. Verrier Elwin Center for Social Studies
7. Mahatma Gandhi Memorial Gram Swaraj Kendra
8. AmarendraGhatge Bee and Wax House
9. GangadharMeher Textile Studio
10. Kamala Pujari Center for Sustainable Agriculture

11. V G Sioddhartha Memorial Coffee Connect
12. Rabindranath Tagore Memorial Peace Yard

Objectives of JCK-TP-IC

The center operates with several core objectives that align with sustainable development and rural upliftment:

1. **Encouraging the Advancement of Traditional Rural Technologies:** Traditional rural technologies, often overlooked in favor of modern alternatives, hold significant potential in today's sustainability-driven world. JCK-TP-IC works to preserve, refine, and advance these technologies. By improving their efficiency and relevance, the center ensures they remain viable for contemporary rural needs.
2. **Conducting Research and Fostering Innovation in Rural Technologies:** Innovation is at the heart of development. The center places great emphasis on researching traditional rural technologies to find ways of modernizing them without losing their essence. This research leads to the discovery of innovative methods that help rural communities increase productivity while being environmentally sustainable.
3. **Facilitating the Promotion and Commercialization of Rural Technologies and Products:** Rural technologies and products, though rich in cultural and practical value, often fail to reach a broader market. JCK-TP-IC acts as a bridge by promoting these products and making them accessible to larger consumer bases. The center also assists rural artisans and manufacturers in commercializing their creations, contributing to the local economy.
4. **Promoting and Marketing Rural Crafts to a Wider Audience:** India's rural crafts are a treasure trove of artistry and heritage. By marketing these crafts beyond local communities, JCK-TP-IC ensures their survival and relevance in today's market-driven economy. This not only provides financial stability to artisans but also preserves India's cultural heritage.
5. **Organizing Skill-based Training Programmes for Rural Dwellers:** Skill development is key to empowering rural communities. JCK-TP-IC has organized 35 skill-based training programs to date, connecting with 165 rural artisans. These programs focus on enhancing the technical abilities of rural dwellers, enabling them to become more self-reliant and competitive in their respective fields.

Inception and History:

Establishment: J C Kumarappa Technology Park and Innovation Center (JCK-TP-IC) was established in the year 2022 and registered as a Limited Liability Partnership (LLP) incubated with Centurion University during 2023. It was founded with the aim of leveraging technological advancements and skill development initiatives to drive sustainable development in rural India. It is situated in Paralakhemundi campus of Centurion University.

Initial Focus Areas and Activities:

1. **Integration of Traditional and Modern Technologies:** From its inception, JCK-TP-IC focused on integrating traditional rural technologies with modern innovations. This approach aimed to preserve traditional knowledge while enhancing its relevance and efficiency in contemporary rural settings.
2. **Research and Innovation:** The center prioritized research into traditional rural technologies, seeking ways to modernize them without compromising their core

principles. This research led to innovative solutions that improved productivity and sustainability in rural communities.

3. **Skill Development Programs:** Early on, JCK-TP-IC initiated skill-based training programs aimed at rural dwellers, particularly artisans and craftsmen. These programs were designed to enhance technical skills, empower individuals, and promote self-reliance within rural economies.

Aim and Vision:

Goals: JCK-TP-IC operates with several core objectives:

1. **Advancement of Traditional Rural Technologies:** By refining and advancing traditional technologies, the center ensures their continued relevance and effectiveness in addressing modern challenges.
2. **Research and Innovation:** Through ongoing research, JCK-TP-IC fosters innovation in rural technologies, promoting productivity and sustainability.
3. **Promotion and Commercialization:** The center facilitates the promotion and commercialization of rural technologies and products, enhancing economic opportunities for rural artisans and manufacturers.
4. **Marketing Rural Crafts:** By marketing rural crafts to wider audiences, JCK-TP-IC supports cultural preservation and economic stability in rural areas.

Vision for Fostering Sustainable Rural Development: The center envisions a future where rural communities are empowered through technological advancements and skill development. By preserving traditional knowledge and integrating it with modern innovations, JCK-TP-IC aims to foster sustainable economic growth, cultural preservation, and environmental stewardship in rural India.

Key Units and Activities

1. S K Mirmira Memorial Clay Studio

Overview: The S K Mirmira Memorial Clay Studio focuses on the traditional art of clay crafting, teaching students the nuances of pottery and clay art.

Key Activities:

- **Training Programs:** Rural clay artisan R. Apanna trains students in pottery, emphasizing both traditional techniques and modern applications.
- **Marketing Efforts:** Products created by the artisans are marketed through the online portal, www.magicterrain.com.
- **Impact:** The studio has positively impacted 115 potters and trained 176 students, enhancing their skills and market access.

Alignment with SDGs:

- **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.

2. Acharya Nandalal Bose Craft Studio

Overview: This studio serves as a hub for various craft traditions, offering training to both students and local artisans.

Key Activities:

- **Artisan Collaboration:** Rural artisans conduct workshops on diverse crafts, such as Patachitra painting and papermache.
- **Training Programs:** A total of 15 training programs have been organized, with 367 students trained in various crafts.
- **Product Development:** The studio produces oxidized silver jewelry, incorporating modern designs with traditional craftsmanship.
- **Partnerships:** Collaborated with the Handicraft Department and the Ministry of Textiles to facilitate specialized training programs.
 - **Alignment with SDGs:**
- **SDG 4 (Quality Education):** Promotes education through hands-on craft skills, enhancing learning opportunities for participants.
- **SDG 8 (Decent Work and Economic Growth):** Fosters economic development by empowering artisans and promoting local craftsmanship.
- **SDG 12 (Responsible Consumption and Production):** Encourages sustainable practices by blending traditional and modern craft techniques.
- **SDG 10 (Reduced Inequalities):** Ensures equal access to training and opportunities for all artisans, regardless of background.

3. S R Ranganathan Memorial Community Knowledge Library

Overview: The S R Ranganathan Memorial Community Knowledge Library serves as a resource hub for rural communities, promoting literacy and access to information.

Key Activities:

- **Publication Efforts:** Collaborated with illustrators to produce 150 booklets and IEC materials aimed at enhancing rural education.
- **Community Engagement:** Organized one book fair and two community fairs to promote reading and learning among local populations.
 - **Alignment with SDGs:**
- **SDG 4 (Quality Education):** Enhances access to educational resources, contributing to increased literacy and knowledge sharing.
- **SDG 10 (Reduced Inequalities):** Ensures equal access to information and educational materials for marginalized communities.

- **SDG 16 (Peace, Justice, and Strong Institutions):** Fosters informed communities that can engage more effectively in governance and advocacy.
- **SDG 17 (Partnerships for the Goals):** Collaborates with various organizations to provide diverse learning materials.

4. Pandit Ravishankar Memorial Indigenous Music Ashrama

Overview: This unit focuses on the preservation and promotion of indigenous music and dance traditions.

Key Activities:

- **Cultural Events:** Organized 15 indigenous musical and traditional dance shows on the Centurion University campus, featuring artists from diverse tribal backgrounds.
- **Training:** Trained 127 students in traditional music and performance, fostering cultural appreciation.
 - **Alignment with SDGs:**
- **SDG 4 (Quality Education):** Provides educational opportunities through music and dance training, enhancing cultural literacy.
- **SDG 11 (Sustainable Cities and Communities):** Promotes cultural heritage and community engagement, contributing to social cohesion.
- **SDG 16 (Peace, Justice, and Strong Institutions):** Fosters understanding and respect for diverse cultural expressions, promoting social harmony.
- **SDG 8 (Decent Work and Economic Growth):** Supports local artists in earning a livelihood through performances.

5. Stockholm Papyrus Natural Tye Dye Studio

Overview: This studio focuses on natural dyeing techniques, promoting eco-friendly textile practices.

Key Activities:

- **Student Training:** Trained 25 students in natural dyeing methods.
- **Workshops and Collaborations:** Organized workshops in collaboration with artisans from Raghurajpur and conducted exposure visits to Kotpad Tribal Village.

Alignment with SDGs:

- **SDG 4 (Quality Education):** Offers practical training in sustainable dyeing methods, enhancing students' skill sets.
- **SDG 12 (Responsible Consumption and Production):** Supports sustainable dyeing practices, reducing environmental impact.
- **SDG 13 (Climate Action):** Promotes eco-friendly production methods that mitigate environmental degradation.
- **SDG 8 (Decent Work and Economic Growth):** Encourages local entrepreneurship in eco-friendly textiles.

6. Verrier Elwin Center for Social Studies

Overview: This center conducts research and studies on socio-economic and cultural aspects of various tribal communities.

Key Activities:

- **Surveys and Research:** Conducted 265 surveys focusing on socio-economic conditions, tribal cultures, and traditional knowledge systems.
- **Nature Trails:** Organized 15 nature trails, educating 675 students about local biodiversity and tribal heritage.
- **Documentation:** Archived 169 Indigenous Traditional Knowledge (ITK) practices and 287 ethno-medicines.

Alignment with SDGs:

- **SDG 4 (Quality Education):** Provides educational experiences that enhance understanding of diverse cultures.
- **SDG 10 (Reduced Inequalities):** Focuses on marginalized communities, promoting their empowerment through research and documentation.
- **SDG 15 (Life on Land):** Supports biodiversity conservation through research on traditional ecological knowledge.
- **SDG 16 (Peace, Justice, and Strong Institutions):** Promotes informed community engagement through education and research.

7. Mahatma Gandhi Memorial Gram Swaraj Kendra

Overview: This unit aims to promote eco-friendly practices in local communities.

Key Activities:

- **Paper Cup Production:** Established a commercial paper cup-making unit to reduce plastic cup usage in the community.

Alignment with SDGs:

- **SDG 4 (Quality Education):** Educates the community about sustainable practices through workshops and initiatives.
- **SDG 12 (Responsible Consumption and Production):** Promotes sustainable alternatives to single-use plastics.
- **SDG 13 (Climate Action):** Reduces environmental impact by minimizing plastic waste.
- **SDG 8 (Decent Work and Economic Growth):** Creates job opportunities in sustainable manufacturing.

8. AmarendraGhatge Bee and Wax House

Overview: This unit produces honey and natural wax crafts, emphasizing sustainable production methods.

Key Activities:

- **Product Development:** Produces honey and wax-based crafts marketed through Magic Terrain, supporting local artisans.

Alignment with SDGs:

- **SDG 4 (Quality Education):** Provides training on beekeeping and sustainable practices to community members.
- **SDG 8 (Decent Work and Economic Growth):** Creates income-generating activities for local communities.
- **SDG 12 (Responsible Consumption and Production):** Encourages sustainable sourcing and production of natural products.
- **SDG 15 (Life on Land):** Promotes biodiversity through beekeeping practices.

9. GangadharMeher Textile Studio

Overview: Focusing on handloom and textile production, this studio connects rural textile artists with broader markets.

Key Activities:

- **Training Programs:** Trained 15 students in handloom and textile arts.
- **Textile Fairs:** Organized 5 textile fairs on campus to promote local products.

Alignment with SDGs:

- **SDG 4 (Quality Education):** Provides education and skill development in textile arts, enhancing employability.
- **SDG 8 (Decent Work and Economic Growth):** Supports local artisans by connecting them with markets.
- **SDG 12 (Responsible Consumption and Production):** Encourages sustainable practices in textile production.
- **SDG 10 (Reduced Inequalities):** Promotes equal opportunities for artisans from various backgrounds.

10. Kamala Pujari Center for Sustainable Agriculture

Overview: This center promotes sustainable agricultural practices and food security.

Key Activities:

- **Workshops and Training:** Organized 25 workshops on Low External Input Sustainable Agriculture (LEISA) and food security, reaching 376 students.
- **Community Engagement:** Adopted a tribal village in Gumma Block, Gajapati District, and established nutritional

11. V G Sioddhartha Memorial Coffee Connect

Overview: This unit promotes organic coffee production, enhancing local agricultural practices.

Key Activities:

- **Coffee Production:** Produces organic filter coffee using beans sourced from tribal communities in Araku, Andhra Pradesh.
- **Student Training:** Trained 25 students in coffee production and marketing.

- **Café Operations:** Operates the ‘Centurion Coffee Connect’ café, run entirely by students.
 - **Alignment with SDGs:**
- **SDG 4 (Quality Education):** Provides practical training and educational opportunities in coffee production and entrepreneurship, enhancing skills and employability for students.
- **SDG 8 (Decent Work and Economic Growth):** Supports local economies by creating job opportunities in coffee production and related sectors, promoting sustainable livelihoods for rural communities.
- **SDG 12 (Responsible Consumption and Production):** Encourages sustainable agricultural practices by promoting organic coffee production, reducing the environmental impact of farming.
- **SDG 10 (Reduced Inequalities):** Ensures equitable access to training and employment opportunities for rural youth, empowering them economically.

12. Rabindranath Tagore Memorial Peace Yard

Overview: The Rabindranath Tagore Memorial Peace Yard serves as a cultural and educational space, promoting peace, sustainability, and community engagement through arts and dialogue.

Key Activities:

- **Cultural Events:** Organized 15 lectures and performances focused on traditional art, sustainability, and peace, bringing together community members and fostering intercultural dialogue.
- **Workshops:** Conducted workshops aimed at promoting peace and sustainability, involving students and local artists in collaborative projects.

Alignment with SDGs:

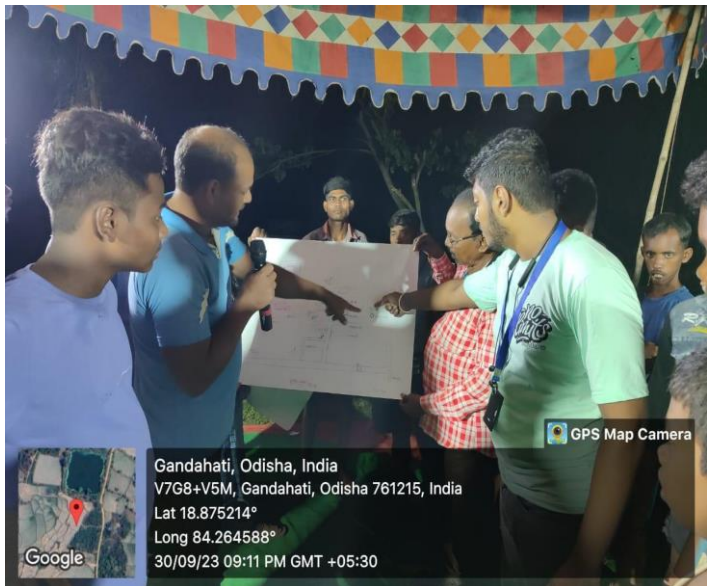
- **SDG 4 (Quality Education):** Enhances community understanding of peace and sustainability through educational programs and cultural activities.
- **SDG 16 (Peace, Justice, and Strong Institutions):** Promotes peace and social cohesion through cultural engagement and community participation in events.
- **SDG 11 (Sustainable Cities and Communities):** Fosters inclusive and sustainable communities through cultural preservation and the promotion of social values.
- **SDG 17 (Partnerships for the Goals):** Encourages collaboration among various stakeholders to promote peace and sustainability initiatives.

Photo Gallery, RTP Activities





Rural Works by RTP Students





Eye Checkup Camp in Village

Visits in RTP



Conclusion: Education as a Public Good

IMPACT OF PUBLIC EVENTS

Category	Programs / Events	Key Activities / Focus Areas	Beneficiaries	SDG Alignment
Trainings	Exposure-Based Training for OFS Probationers	Immersive exposure to academic and skill development facilities, community and cultural immersion	24	SDG 4
	Technical Vocational Education & On-the-Job Training (Lernern India)	Learn & Earn model, industry apprenticeships, skill development, accredited D.Voc/B.Voc certifications	500,000+	SDG 4
	Skill-Based Training at JCK-TP-IC	Skill enhancement for rural artisans, traditional technologies, sustainable practices	1,665	SDG 4, 8, 12
Workshops	JCK-TP-IC Practical Workshops	Craft, clay, dyeing, textile, production, agriculture, coffee music,	300+	SDG 4, 8, 12, 13, 15

	RTP / Community Workshops	Village eye checkups, skill exposure, sustainable practices	500	SDG 4, 3, 11
Seminars / Conferences	National & International Conferences (ICVBSG, GSN 3, Genetics & Genomics, AYUSH)	Academic and professional conferences covering management, AI, healthcare, agriculture, biotechnology, SDG-related discussions	2,300	SDG 4, 8, 9, 12, 13, 17
	Webinars / Technical Seminars	Emerging technologies: blockchain, AI/GenAI, AR/VR, machine learning	-	SDG 4, 9
Extension Outreach Events	Culminances & Manzar 3.0	Student-led festivals fostering entrepreneurship, finance, soft skills, cultural leadership	1,115 (755 online + 360)	SDG 4, 8, 10
	CHSE Teachers' Training	Pedagogical development, NEP 2020 alignment, experiential learning for higher secondary teachers	33	SDG 4
	OPTCL Training	Professional skill enhancement, finance, compliance, soft skills	30	SDG 4, 8
	PACS Secretaries Training	Rural leadership, agriculture, digital literacy	31	SDG 4, 8, 11
	RTP Rural Works / Community Engagement	Eye checkup camps, village visits, skill demonstrations	~500	SDG 4, 3, 11
	Total Beneficiaries	—	506,000	—

The public events and programs organized by Centurion University in 2024 highlight its role as a knowledge hub open to all. From professional training and academic conferences to women's leadership platforms and student-led festivals, each initiative advanced SDG 4 by promoting inclusive, equitable, and lifelong learning opportunities. By combining classroom knowledge with field immersion, skill development, and community engagement, Centurion

University has demonstrated how higher education can drive both personal growth and societal transformation. In 2024–25, Centurion University reached over 506,000 beneficiaries through inclusive trainings, workshops, seminars, and extension events

Across every initiative, one truth echoed: education belongs to everyone. Centurion University didn't just teach-it. It didn't just host-it empowered. From government officers to grassroots leaders, from scientists to artists, from teachers to techies, the university became a living laboratory of SDG 4, where learning was inclusive, participatory and profoundly human. In 2024–25, Centurion University didn't just open its gates—it opened minds, hearts, and futures.

4.3.3. Educational host events at university that is open to the general public: executive education programmes

Centurion University continues to redefine the landscape of inclusive, practice-oriented higher education through its commitment to Sustainable Development Goal 4 (SDG 4)- ensuring inclusive and equitable quality education and promoting lifelong learning opportunities for all. The University's executive education programmes and public training initiatives embody this vision by extending learning beyond academic boundaries to reach professionals, rural artisans, community leaders, and international participants.

Through regional and cross-border capacity-building programmes, Centurion University has established a model where education becomes a dynamic process of exchange — connecting bankers from Nepal with Odisha's cooperatives, training Australian Aboriginal learners in technical skills, and empowering government officers, rural secretaries, and artisans with practical, technology-driven knowledge. Each initiative reflects the University's unique philosophy of "Learning beyond Borders," integrating vocational training, field immersion, and innovation-based pedagogy to ensure that education remains a public good—accessible, applicable and transformative.

Regional and Rural Capacity-Building Outreach: A Story of Learning beyond Borders

Centurion University has long believed that education must travel beyond classrooms, reaching bankers, farmers and grassroots leaders who shape communities. In 2024, this belief unfolded through a series of transformative training programs that connected Nepal's financial institutions with Odisha's cooperative societies, weaving a shared story of skills, innovation, and empowerment.

Bankers from Nepal: Planting Ideas across Borders

- Exposure Visit and Training Program on "Agri Entrepreneurship and SME Financing
- Management Development Program for Banking Professionals

The journey began in August 2024, when Centurion University welcomed ten delegates from Nepal’s leading banks-Nabil, Kumari, NMB, and Nepal Investment Mega Bank—for the Agri-Entrepreneurship and SME Financing Program. For five days, participants immersed themselves in soil health, business planning, and agricultural value chains. Field visits to cashew units, poultry farms, and nurseries offered lessons no textbook could capture: how small enterprises take root in rural Odisha and grow into sustainable businesses. They returned with insights to strengthen Nepal’s own agribusiness financing.

Field Visit on 8th August 2024



Group photo in the board room on 6th August 2024



Field Visit on 18th September 2024



Group photo in the board room on 16th September 2024





A month later, from 16th–20th September, another chapter unfolded as 20 officers from RastriyaBanijya Bank (RBB), Nepal’s largest state-owned bank, attended the Management Development Program for Banking Professionals. Through sessions on leadership, customer service, sales strategies, and risk management, participants sharpened their managerial lens. Visits to local enterprises and Indian banks reinforced the role of financial institutions in empowering SMEs and farmers. What began as classroom learning became a dialogue on inclusive finance across borders.

Strengthening Odisha’s Cooperatives: Secretaries of PACS

While Centurion University’s global footprint grew, its roots remained deeply embedded in Odisha. In May 2024, the University hosted a three-day training program for 31 Secretaries of Primary Agricultural Cooperative Societies (PACS), under the Registrar of Cooperative Societies, Government of Odisha.



Goat Farming and Piggery

Here, the learning journey blended modern technology with grassroots realities. Participants explored Pollinator’s Paradise, where they understood biodiversity’s role in crop health, and the Waste-to-Wealth Lab, where they witnessed sustainability in practice. Visits to dairy, apparel, paver, and curcumin extraction units showed how rural livelihoods could diversify beyond traditional farming. Hands-on sessions on drones, greenhouse management, and integrated farming inspired secretaries to reimagine their cooperatives as hubs of innovation and resilience.

Discussions on financial inclusion and digital literacy further emphasized that cooperatives are not only about crops—they are about empowerment, entrepreneurship, and equitable growth.

TRAINING FOR OFS PROBATIONERS

Centurion University delivered an exposure-based training programme on ‘Adapting Education into Innovation’ for 24 OFS Probationers of the 2024 batch, exemplifying SDG 4 by extending quality, practice-oriented education to government functionaries. Designed as an applied learning immersion, the programme introduced participants to high-end academic and skill-development ecosystems— including advanced laboratories, the M.S. Swaminathan School of Agriculture, fisheries and hydroponic units, renewable energy projects, protected cultivation centres, and research-driven initiatives in smart agriculture and rural livelihoods.



OFS Probationers interaction with Registrar Dr Anita Patra at Conference Room, CUTM, Paralakhemundi

Structured in line with global executive education standards, the programme blended interdisciplinary learning, field-based insights, and technology-enabled innovation. Community and cultural immersion through interactions with tribal communities, traditional knowledge systems, and Centurion University's leadership deepened understanding of inclusive and sustainable development. This initiative demonstrated how executive education can advance SDG 4 by equipping public-sector professionals with the knowledge, perspective, and real-world exposure needed to drive social equity, innovation, and community transformation.



I found the **M.S. Swaminathan School of Agriculture**, which is a dedicated institution focusing on various aspects of agricultural science, most interesting and informative.

During our campus tour we came across the state-of-the-art laboratories, greenhouses, and experimental farms which were working toward facilitating practical learning.

SKILL TRAINING FOR AUSTRALIAN ABORIGINAL

Centurion University conducted a specialised, skill-based executive training program for Australian Aboriginal learners between 9 June and 12 September 2024, delivered in two batches with a total of five participants. Designed to advance SDG 4 by promoting equitable, inclusive, and employability-focused education, the program equipped learners from a marginalised community with industry-relevant technical competencies.

Batch 4 offered Multi-Skill Plumbing Training, covering plumbing systems, pump operations, basic electrical applications, and solar component handling. The curriculum followed a structured Activity-cum-Lesson Planner and NOS-aligned modules integrating theory with hands-on practice. Batch 5 focused on Activity-Based Functional Learning (AFL) and Basic Electric Vehicle Maintenance, introducing foundational concepts in EV diagnostics and servicing through experiential methods.

The program elevated individual skill sets, supported lifelong learning pathways by combining practical exposure with structured learning, and enabled community-level empowerment—exemplifying Centurion University’s commitment to SDG 4 through vocational education for underserved populations.



Fig5. A Shared Vision of Education for Livelihoods, 12 September 2024

TECHNICAL VOCATIONAL EDUCATION AND ON THE JOB TRAINING WITH LEADING INDUSTRY PARTNERS

Centurion University offers executive-style vocational diplomas and degree programs—such as flexible B.Voc and D.Voc pathways—designed to meet industry demands while remaining accessible to diverse learner groups. Whether it was bankers from Kathmandu or cooperative secretaries from rural Odisha, every participant shared one common goal: learning that leads

to livelihoods. The certificates they received marked not an end, but the start of new professional and social possibilities.

These initiatives embody Centurion University's belief that education must be practiced, shared, and lived. By welcoming both regional professionals and rural changemakers, the University has become a collaborative hub where innovation flows both ways—a farmer's field can inform a banker's perspective, and a village secretary can influence public policy thinking.

Ultimately, this work goes beyond programs and credentials. It is about building bridges—between geographies, institutions, and lived realities. It demonstrates that when education reaches communities, it doesn't just upskill individuals—it transforms ecosystems and advances the spirit of SDG 4.

Centurion University, the first NAAC A+ accredited Skills University in India, has an internationally recognized model of **industry-led, experiential learning**, aligned with NEP 2020 and inspired by Australia's TAFE and Germany/Switzerland's dual education system. Lernern, bridges vocational education with higher education through its **Work Integrated Skills Training & Apprenticeship (WISTA)** program, collaborating with major companies like Haier, TATA Technologies, Godrej, and Motherson Group.

The programs are delivered across **15 states with 30 centers**, serving **500,000+ trainees** to date and facilitating **100,000+ youth placements** in sectors such as automotive, manufacturing, apparel, textiles, BPO, and electrical systems. WISTA covers multiple pathways, including **Flexi-MoU students, trade apprentices, contract staff, and embedded D.Voc/B.Voc learners**, with curricula aligned to **NSQF job roles and NOS standards**.

Skills Integrated & Apprenticeship Embedded
Further & Higher Education Programs

Lernern India

Educate | Employ | Empower

Training: Our Presence in Across India

About Lernern & What we do

GTVET is a social entrepreneurial and industrial implementation. Out reach arm of Centurion University incubated under Startup Odisha

Our Presence

- 15 States | 30 Centers
- 900,000+ trainees enrolled to date
- 100,000+ youth migrated for jobs

Odisha: 18 Centers
Assam, Meghalaya: 4 Centers
Punjab: 2 Centers

Jharkhand: 1 Center
UP: 1 Center
Destinations: 4 Centers (NCR, Pune, Bangalore, Coimbatore)

Delhi, HR, MP, AP, Telangana, Odisha, Chhattisgarh, Maharashtra, Rajasthan, 600+ HODIP Schools

Delhi, UP, MP, Odisha, Coimbatore: 10,000+ Auto & Auto Components, Manufacturing OOD, Apparel & Textile

MH, Punjab, Haryana: 1,000 placed in Automobile & Auto component ood, OOD

Pune, Vapi: 5,000+ placed in Auto component hub

Waknag, Jamshedpur: 1,000+ Placed in BPO

Bangalore: 10,000+ Placed in Apparel & Textile, OOD

- Hub
- Mini Hub
- Placement Post
- Placement Support Center
- Collab with school project
- Statewide training centers

Traditional ITI / Diploma



1,200 Hours of Classroom Training



2,000 Hours of Practical Training

Flex Learning



540 Hours of Blended Learning



240 Hours of Practical Training



1,820 Hours of On-the-Job Training

Fig.6. Lernern: Skill Integrated Program

Training methodology emphasizes a **blended learning approach**: 20% onsite, 35% online, 25% through LMS, and 20% immersive campus-based learning, prioritizing practical, industry-

relevant skills over traditional classroom hours. The programs lead to **nationally recognized accredited certifications, Diploma of Vocation (D.Voc) and Bachelor of Vocation (B.Voc)** degrees, with theory-practical mix ensuring **job readiness, career growth, and enhanced employability**.

Key benefits for students include accredited certifications, career progression, practical skill development, and financial support through stipends, while **industry partners** gain a skilled, productive workforce with opportunities for CSR fund utilization and enhanced workforce retention.

Courses offered include **Electrical Systems & Maintenance, Manufacturing Technology, Automobile Servicing, and Supply Chain Management**, all designed for **hands-on, industry-aligned training** with real-world exposure and apprenticeship opportunities.

The **program flow** involves MoU signing, program design, candidate recruitment, onboarding, deployment, on-the-job training, and certification, with Lernern managing the end-to-end process for industry partners, effectively shaping a **future-ready workforce** through integrated education and practical skill development.

This initiative directly contributes to **SDG 4 (Quality Education)** by **providing inclusive, equitable, and industry-relevant education** that enables lifelong learning and employability, particularly for marginalized and semi-skilled youth.

J C KUMARAPPA TECHNOLOGY PARK AND INNOVATION CENTER

J C Kumarappa Technology Park and Innovation Center (JCK-TP-IC) is a Limited Liability Partnership (LLP) incubated with Centurion University, designed to drive sustainable development in rural India through technological advancements and skill development initiatives. Named after J C Kumarappa, a key figure in Gandhian economics who emphasized the importance of rural self-reliance, the center aims to integrate traditional rural technologies with modern innovations.

Various Units of JCK-TP-IC

13. S K Mirmira memorial Clay Studio
14. Acharya Nandalal Bose Craft Studio
15. S R Ranganathan Memorial Community Knowledge Library
16. PanditRavishankar Memorial indigenous music ashrama
17. Stockholm Papyrus Natural Tye Dye Studio
18. Verrier Elwin Center for Social Studies
19. Mahatma Gandhi Memorial Gram Swaraj Kendra
20. AmarendraGhatge Bee and Wax House
21. GangadharMeher Textile Studio
22. Kamala Pujari Center for Sustainable Agriculture
23. V G Sioddhartha Memorial Coffee Connect
24. Rabindranath Tagore Memorial Peace Yard

Objectives of JCK-TP-IC

The center operates with several core objectives that align with sustainable development and rural upliftment:

6. **Encouraging the Advancement of Traditional Rural Technologies:** Traditional rural technologies, often overlooked in favor of modern alternatives, hold significant potential in today's sustainability-driven world. JCK-TP-IC works to preserve, refine, and advance these technologies. By improving their efficiency and relevance, the center ensures they remain viable for contemporary rural needs.
7. **Conducting Research and Fostering Innovation in Rural Technologies:** Innovation is at the heart of development. The center places great emphasis on researching traditional rural technologies to find ways of modernizing them without losing their essence. This research leads to the discovery of innovative methods that help rural communities increase productivity while being environmentally sustainable.
8. **Facilitating the Promotion and Commercialization of Rural Technologies and Products:** Rural technologies and products, though rich in cultural and practical value, often fail to reach a broader market. JCK-TP-IC acts as a bridge by promoting these products and making them accessible to larger consumer bases. The center also assists rural artisans and manufacturers in commercializing their creations, contributing to the local economy.
9. **Promoting and Marketing Rural Crafts to a Wider Audience:** India's rural crafts are a treasure trove of artistry and heritage. By marketing these crafts beyond local communities, JCK-TP-IC ensures their survival and relevance in today's market-driven economy. This not only provides financial stability to artisans but also preserves India's cultural heritage.
10. **Organizing Skill-based Training Programmes for Rural Dwellers:** Skill development is key to empowering rural communities. JCK-TP-IC has organized 35 skill-based training programs to date, connecting with 165 rural artisans. These programs focus on enhancing the technical abilities of rural dwellers, enabling them to become more self-reliant and competitive in their respective fields.

Inception and History:

Establishment: J C Kumarappa Technology Park and Innovation Center (JCK-TP-IC) was established in the year 2022 and registered as a Limited Liability Partnership (LLP) incubated with Centurion University during 2023. It was founded with the aim of leveraging technological advancements and skill development initiatives to drive sustainable development in rural India. It is situated in Paralakhemundi campus of Centurion University.

Initial Focus Areas and Activities:

4. **Integration of Traditional and Modern Technologies:** From its inception, JCK-TP-IC focused on integrating traditional rural technologies with modern innovations. This approach aimed to preserve traditional knowledge while enhancing its relevance and efficiency in contemporary rural settings.
5. **Research and Innovation:** The center prioritized research into traditional rural technologies, seeking ways to modernize them without compromising their core principles. This research led to innovative solutions that improved productivity and sustainability in rural communities.

6. **Skill Development Programs:** Early on, JCK-TP-IC initiated skill-based training programs aimed at rural dwellers, particularly artisans and craftsmen. These programs were designed to enhance technical skills, empower individuals, and promote self-reliance within rural economies.

Aim and Vision:

Goals: JCK-TP-IC operates with several core objectives:

5. **Advancement of Traditional Rural Technologies:** By refining and advancing traditional technologies, the center ensures their continued relevance and effectiveness in addressing modern challenges.
6. **Research and Innovation:** Through ongoing research, JCK-TP-IC fosters innovation in rural technologies, promoting productivity and sustainability.
7. **Promotion and Commercialization:** The center facilitates the promotion and commercialization of rural technologies and products, enhancing economic opportunities for rural artisans and manufacturers.
8. **Marketing Rural Crafts:** By marketing rural crafts to wider audiences, JCK-TP-IC supports cultural preservation and economic stability in rural areas.


Vision for Fostering Sustainable Rural Development: The center envisions a future where rural communities are empowered through technological advancements and skill development. By preserving traditional knowledge and integrating it with modern innovations, JCK-TP-IC aims to foster sustainable economic growth, cultural preservation, and environmental stewardship in rural India.

Key Units and Activities

1. S K Mirmira Memorial Clay Studio

Overview: The S K Mirmira Memorial Clay Studio focuses on the traditional art of clay crafting, teaching students the nuances of pottery and clay art.

Key Activities:

- **Training Programs:** Rural clay artisan R. Apanna trains students in pottery, emphasizing both traditional techniques and modern applications.
- **Marketing Efforts:** Products created by the artisans are marketed through the online portal, Magic Terrain 
- **Impact:** The studio has positively impacted 115 potters and trained 176 students, enhancing their skills and market access.

Alignment with SDGs:

- **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.

2. Acharya Nandalal Bose Craft Studio

Overview: This studio serves as a hub for various craft traditions, offering training to both students and local artisans.

Key Activities:

- **Artisan Collaboration:** Rural artisans conduct workshops on diverse crafts, such as Patachitra painting and papermache.
- **Training Programs:** A total of 15 training programs have been organized, with 367 students trained in various crafts.
- **Product Development:** The studio produces oxidized silver jewelry, incorporating modern designs with traditional craftsmanship.
- **Partnerships:** Collaborated with the Handicraft Department and the Ministry of Textiles to facilitate specialized training programs.
 - **Alignment with SDGs:**
- **SDG 4 (Quality Education):** Promotes education through hands-on craft skills, enhancing learning opportunities for participants.
- **SDG 8 (Decent Work and Economic Growth):** Fosters economic development by empowering artisans and promoting local craftsmanship.
- **SDG 12 (Responsible Consumption and Production):** Encourages sustainable practices by blending traditional and modern craft techniques.
- **SDG 10 (Reduced Inequalities):** Ensures equal access to training and opportunities for all artisans, regardless of background.

3. S R Ranganathan Memorial Community Knowledge Library

Overview: The S R Ranganathan Memorial Community Knowledge Library serves as a resource hub for rural communities, promoting literacy and access to information.

Key Activities:

- **Publication Efforts:** Collaborated with illustrators to produce 150 booklets and IEC materials aimed at enhancing rural education.
- **Community Engagement:** Organized one book fair and two community fairs to promote reading and learning among local populations.
 - **Alignment with SDGs:**
- **SDG 4 (Quality Education):** Enhances access to educational resources, contributing to increased literacy and knowledge sharing.
- **SDG 10 (Reduced Inequalities):** Ensures equal access to information and educational materials for marginalized communities.

- **SDG 16 (Peace, Justice, and Strong Institutions):** Fosters informed communities that can engage more effectively in governance and advocacy.
- **SDG 17 (Partnerships for the Goals):** Collaborates with various organizations to provide diverse learning materials.

4. PanditRavishankar Memorial Indigenous Music Ashrama

Overview: This unit focuses on the preservation and promotion of indigenous music and dance traditions.

Key Activities:

- **Cultural Events:** Organized 15 indigenous musical and traditional dance shows on the Centurion University campus, featuring artists from diverse tribal backgrounds.
- **Training:** Trained 127 students in traditional music and performance, fostering cultural appreciation.
 - **Alignment with SDGs:**
- **SDG 4 (Quality Education):** Provides educational opportunities through music and dance training, enhancing cultural literacy.
- **SDG 11 (Sustainable Cities and Communities):** Promotes cultural heritage and community engagement, contributing to social cohesion.
- **SDG 16 (Peace, Justice, and Strong Institutions):** Fosters understanding and respect for diverse cultural expressions, promoting social harmony.
- **SDG 8 (Decent Work and Economic Growth):** Supports local artists in earning a livelihood through performances.

5. Stockholm Papyrus Natural Tye Dye Studio

Overview: This studio focuses on natural dyeing techniques, promoting eco-friendly textile practices.

Key Activities:

- **Student Training:** Trained 25 students in natural dyeing methods.
- **Workshops and Collaborations:** Organized workshops in collaboration with artisans from Raghurajpur and conducted exposure visits to Kotpad Tribal Village.

Alignment with SDGs:

- **SDG 4 (Quality Education):** Offers practical training in sustainable dyeing methods, enhancing students' skill sets.
- **SDG 12 (Responsible Consumption and Production):** Supports sustainable dyeing practices, reducing environmental impact.
- **SDG 13 (Climate Action):** Promotes eco-friendly production methods that mitigate environmental degradation.
- **SDG 8 (Decent Work and Economic Growth):** Encourages local entrepreneurship in eco-friendly textiles.

6. Verrier Elwin Center for Social Studies

Overview: This center conducts research and studies on socio-economic and cultural aspects of various tribal communities.

Key Activities:

- **Surveys and Research:** Conducted 265 surveys focusing on socio-economic conditions, tribal cultures, and traditional knowledge systems.
- **Nature Trails:** Organized 15 nature trails, educating 675 students about local biodiversity and tribal heritage.
- **Documentation:** Archived 169 Indigenous Traditional Knowledge (ITK) practices and 287 ethno-medicines.

Alignment with SDGs:

- **SDG 4 (Quality Education):** Provides educational experiences that enhance understanding of diverse cultures.
- **SDG 10 (Reduced Inequalities):** Focuses on marginalized communities, promoting their empowerment through research and documentation.
- **SDG 15 (Life on Land):** Supports biodiversity conservation through research on traditional ecological knowledge.
- **SDG 16 (Peace, Justice, and Strong Institutions):** Promotes informed community engagement through education and research.

7. Mahatma Gandhi Memorial Gram Swaraj Kendra

Overview: This unit aims to promote eco-friendly practices in local communities.

Key Activities:

- **Paper Cup Production:** Established a commercial paper cup-making unit to reduce plastic cup usage in the community.

Alignment with SDGs:

- **SDG 4 (Quality Education):** Educates the community about sustainable practices through workshops and initiatives.
- **SDG 12 (Responsible Consumption and Production):** Promotes sustainable alternatives to single-use plastics.
- **SDG 13 (Climate Action):** Reduces environmental impact by minimizing plastic waste.
- **SDG 8 (Decent Work and Economic Growth):** Creates job opportunities in sustainable manufacturing.

8. AmarendraGhatge Bee and Wax House

Overview: This unit produces honey and natural wax crafts, emphasizing sustainable production methods.

Key Activities:

- **Product Development:** Produces honey and wax-based crafts marketed through Magic Terrain, supporting local artisans.

Alignment with SDGs:

- **SDG 4 (Quality Education):** Provides training on beekeeping and sustainable practices to community members.
- **SDG 8 (Decent Work and Economic Growth):** Creates income-generating activities for local communities.
- **SDG 12 (Responsible Consumption and Production):** Encourages sustainable sourcing and production of natural products.
- **SDG 15 (Life on Land):** Promotes biodiversity through beekeeping practices.

9. GangadharMeher Textile Studio

Overview: Focusing on handloom and textile production, this studio connects rural textile artists with broader markets.

Key Activities:

- **Training Programs:** Trained 15 students in handloom and textile arts.
- **Textile Fairs:** Organized 5 textile fairs on campus to promote local products.

Alignment with SDGs:

- **SDG 4 (Quality Education):** Provides education and skill development in textile arts, enhancing employability.
- **SDG 8 (Decent Work and Economic Growth):** Supports local artisans by connecting them with markets.
- **SDG 12 (Responsible Consumption and Production):** Encourages sustainable practices in textile production.
- **SDG 10 (Reduced Inequalities):** Promotes equal opportunities for artisans from various backgrounds.

10. Kamala Pujari Center for Sustainable Agriculture

Overview: This center promotes sustainable agricultural practices and food security.

Key Activities:

- **Workshops and Training:** Organized 25 workshops on Low External Input Sustainable Agriculture (LEISA) and food security, reaching 376 students.
- **Community Engagement:** Adopted a tribal village in Gumma Block, Gajapati District, and established nutritional

11. V G Sioddhartha Memorial Coffee Connect

Overview: This unit promotes organic coffee production, enhancing local agricultural practices.

Key Activities:

- **Coffee Production:** Produces organic filter coffee using beans sourced from tribal communities in Araku, Andhra Pradesh.
- **Student Training:** Trained 25 students in coffee production and marketing.

- **Café Operations:** Operates the ‘Centurion Coffee Connect’ café, run entirely by students.
 - **Alignment with SDGs:**
- **SDG 4 (Quality Education):** Provides practical training and educational opportunities in coffee production and entrepreneurship, enhancing skills and employability for students.
- **SDG 8 (Decent Work and Economic Growth):** Supports local economies by creating job opportunities in coffee production and related sectors, promoting sustainable livelihoods for rural communities.
- **SDG 12 (Responsible Consumption and Production):** Encourages sustainable agricultural practices by promoting organic coffee production, reducing the environmental impact of farming.
- **SDG 10 (Reduced Inequalities):** Ensures equitable access to training and employment opportunities for rural youth, empowering them economically.

12. Rabindranath Tagore Memorial Peace Yard

Overview: The Rabindranath Tagore Memorial Peace Yard serves as a cultural and educational space, promoting peace, sustainability, and community engagement through arts and dialogue.

Key Activities:

- **Cultural Events:** Organized 15 lectures and performances focused on traditional art, sustainability, and peace, bringing together community members and fostering intercultural dialogue.
- **Workshops:** Conducted workshops aimed at promoting peace and sustainability, involving students and local artists in collaborative projects.

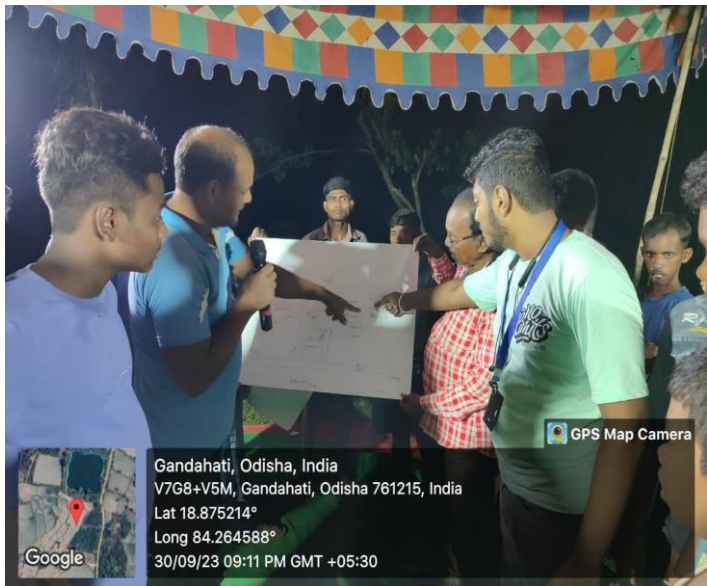
Alignment with SDGs:

- **SDG 4 (Quality Education):** Enhances community understanding of peace and sustainability through educational programs and cultural activities.
- **SDG 16 (Peace, Justice, and Strong Institutions):** Promotes peace and social cohesion through cultural engagement and community participation in events.
- **SDG 11 (Sustainable Cities and Communities):** Fosters inclusive and sustainable communities through cultural preservation and the promotion of social values.
- **SDG 17 (Partnerships for the Goals):** Encourages collaboration among various stakeholders to promote peace and sustainability initiatives.

Photo Gallery: RTP Activities Trainings



Rural Works by RTP Students





Eye Checkup Camp in Village








Visits in RTP



Conclusion: Education as a Public Good

Impact of Educational Host Events at University Open to the Public

A total of 500,435 individuals benefitted through the structured executive and vocational education programmes.

Event / Programme	Participants	Beneficiaries
 Exposure Visit & Training on Agri Entrepreneurship and SME Financing (Nepal Bank Delegates)	10	10
 Management Development Program for Banking Professionals (RBB – Nepal)	20	20
 Training for PACS Secretaries (Odisha)	31	31
 Executive Exposure Program for OFS Probationers	24	24
 Skill Training for Australian Aboriginal Learners	5	5
 Technical Vocational Education & On-the-Job Training (B Voc / D.Voc / WISTA Model)	500,000+	500,000+
 J.C Kumarappa Technology Park Skill Training (multiple rural units)	165 rural artisans 500,435	341
TOTAL		

Cross-border capacity building; insights into agri-value chains and SME financing; replication potential in Nepal
Strengthened leadership, customer engagement, risk & SME finance strategies; promoted inclusive banking practices
Enhanced cooperative leadership, digital literacy, sustainable livelihood planning; direct rural impact
Strengthened policy perspectives, experiential learning in smart agriculture, renewable energy & community immersion
Industry-based vocational skills (plumbing, AFL, EV maintenance); empowered marginalized learners with employability skills
Large-scale workforce development, apprenticeships, 100,000+ placements; lifelong learning pathways and industry skilling
Preservation of traditional crafts, rural innovation, livelihood generation, sustainability-focused skilling

Centurion University’s executive and outreach education programmes exemplify the transformative power of education when aligned with community needs and global goals. The

University has demonstrated that learning thrives when it crosses social, regional and disciplinary frontiers by hosting events open to the general public and professionals alike. From strengthening agribusiness finance in Nepal and modernizing cooperative leadership in Odisha to advancing vocational education through industry-integrated models, these initiatives have collectively benefitted over 500,000 learners and professionals worldwide. In essence, Centurion University's initiatives under SDG 4.3.3 reaffirm that education is not confined to classrooms or credentials—it is a lifelong, inclusive process that cultivates skills, fosters innovation, and empowers individuals to drive sustainable change. The University stands as a catalyst for educational equity, global collaboration and social transformation by bridging the worlds of academia, industry and community.

4.3.4. Educational Outreach Activities beyond Campus

Centurion University demonstrates its commitment to SDG 4.3.4 by extending education and skill development far beyond the classroom. Through inclusive outreach programs, the University brings quality, livelihood-linked learning to underserved, tribal and rural communities. Initiatives such as NSDC livelihood training, WISTA apprenticeship programs, Centurion Public Schools, the JC Kumarappa Rural Technology Park and DGCA-certified drone pilot training are some examples of educational outreach activities beyond the campus. Centurion University transforms villages into learning ecosystems by combining academic instruction with community engagement, ensuring that knowledge, skills and opportunities reach even the most marginalized learners, thereby, advancing inclusive and equitable education beyond campus boundaries.

Transforming Livelihoods through Skills

Centurion University began by providing education to school dropouts and has transformed into a pioneering skills-focused higher education institution. What makes it unique is its holistic, employment-driven learning model, combining theory, hands-on training, and project work across its 16 schools and 65 programmes, especially, in emerging fields like AI, machine learning, cloud technology, AR/VR, cyber security, smart farming and drone technology. A highlight is its infrastructure: over 50 industry-sponsored labs and university-run enterprises, which act as “live labs” for students. Careful instruction is paired with practical experience in sectors ranging from wood engineering and apparel manufacturing to EV production and aerospace precision manufacturing. Centurion University stands out by reshaping higher education to be directly aligned with real-world skills, innovation and employability—especially relevant in underserved and tribal regions.

Centurion University: From a place for school dropouts to a 'pioneering' skills university

Pritha Roy Choudhury | August 7, 2024 | 06:25 PM IST | 5 mins read

Centurion University, which has 16 schools and offers 65 courses across six campuses, focuses on transformative domains such as AI, machine learning, cybersecurity, and more



Supriya Pattanayak, Vice Chancellor, Centurion University

NEW DELHI: An institution that began its journey with school dropouts, Centurion University in Odisha has evolved into a pillar of educational opportunity in India. Vice-chancellor Supriya Pattanayak, during a conversation with Careers360, shared

Fig.1: Educational for All (Dr.SupriyaPattanayak, 2024)



“How Centurion University in Odisha transformed its mission—from aiding school dropouts to pioneering a skills-based, tech-driven higher education ecosystem in AI, ML, cyber security, maritime studies and entrepreneurship.”



“From classrooms to communities: How Centurion University (Odisha) is redefining higher education with its skill-integrated, industry-led model that builds employability, entrepreneurship, and social impact.”



“Exploring how Centurion University is transforming education through innovation, inclusive opportunity and industry-integrated skill-based learning.”

Centurion University became the first partner of the National Skill Development Corporation (NSDC), focusing on livelihood-linked education and community empowerment. Operating across nine tribal-dominated districts of South Odisha and three districts of North Coastal Andhra Pradesh, the initiative has trained 2,725 farmers and 124 community resource persons (CRPs) through community training, hands-on demonstrations, and livelihood-based learning programs in rural villages. By 2024–25, more than 70,000 farmers had been engaged, advancing toward the goal of empowering one lakh small and marginal farmers across 200 blocks of Odisha, fostering sustainable skills, practical knowledge, and rural development.

This is complemented by Centurion University’s partnership with Lernern India. Together, they pioneered Work Integrated Skill Training and Apprenticeship (WISTA) programs. Students combine classroom learning, online modules and on-the-job training with industry leaders such as Haier, Carrier Midea, Godrej, and Tata Technologies. With over 500,000 trainees enrolled and 200,000 youth placed, Centurion University has proven how education can both empower and employ.

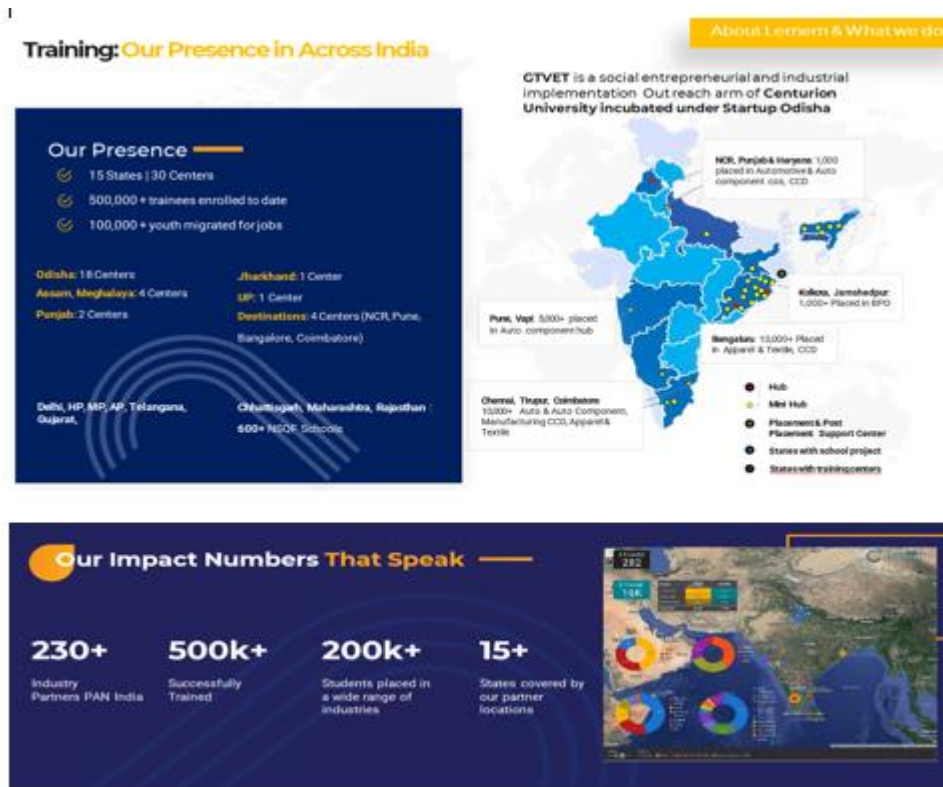


Fig2: Our training presence across India

Education for life, not just exams—Centurion’s gift to every child

Centurion University extended its vision of “Shaping Lives, Empowering Communities” to the youngest learners. Through Centurion Public School (CPS) in Bolangir, Paralakhemundi and Rayagada, the University created a vibrant space where 5293 children in 2024 could learn not just through books, but by doing. Classrooms buzzed with curiosity, science labs invited experiments and teachers encouraged every question, nurturing confidence and creativity. The model soon expanded. These schools stood apart because they carried the soul of a university-skill integration. Children explored robotics, farming, design and arts alongside core subjects, gaining glimpses of real-world learning normally reserved for older students. By offering university-grade facilities and exposure at the school level, Centurion ensured that education became more than preparation for exams-it became preparation for life, sparking ambition in thousands of young minds.

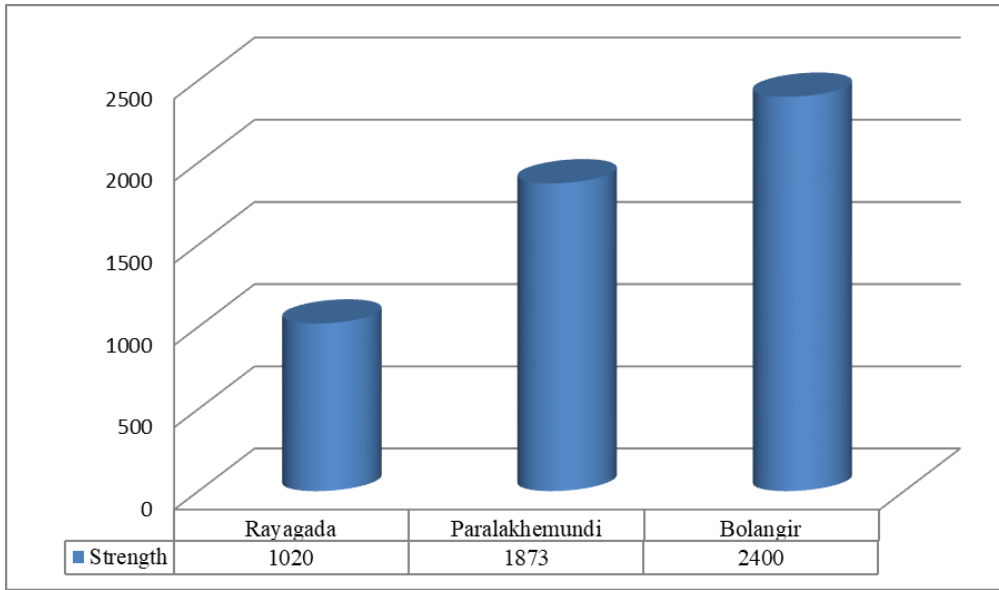


Fig 3-Strength of Centurion Public Schools, 2024

Being part of the Centurion University ecosystem gives the 5,293 students of Centurion Public School (CPS) a distinct advantage in achieving inclusive and equitable quality education. CPS students access university laboratories, libraries, digital resources and expert faculty, which enrich classroom learning and foster critical thinking from an early age. Exposure to university-led skill development programs, mentorship sessions and career guidance workshops equips students with the knowledge and competencies needed for lifelong learning. This integrated environment raises aspirations, ensures a smoother transition to higher education, and promotes an inclusive learning community where every student can thrive, empowering them to achieve their full potential.

CPS: Paralakhemundi,Rayagada ,Bolangir





Fig 4.CPS Students Learning Hand Embroidery, SMO Training Centre of the University



Fig 5. School Children Learning AI at Centurion University, Parlakhemundi Campus



Fig 6.Exposure Visit of CPS Students to Production Units of the University, Paralakhemundi Campus, 12 Sept. 2024



Fig 7 :Learning Enhancement Training for Teachers, Rayagada Campus, 30-June-2024



Fig 8: School Education Initiatives, 2024

Australian Consul General Commends Centurion University's Skill-based Education



Fig 9: Visit of Ms. Rowan Ainsworth, Australian Consul General, 17th January 2024

On 17th January 2024, Ms. Rowan Ainsworth, Australian Consul General to India, visited Centurion University with Ms. Angelina Nair to explore opportunities in education and skills.

It was not a ceremonial visit but a first-hand look at how the university is reshaping education through hands-on learning and livelihood-linked training. She praised Centurion’s practical, skill-driven model, noting its power to blend learning with doing. The visit validated Centurion University’s outreach model, which could be adapted internationally for excluded groups, such as Australia’s First Nation learners. In her words, Centurion had created more than a campus—it had built a living ecosystem of learning, empowerment, and hope, serving as a bridge for future India-Australia collaboration.

Empowering Futures Through Hands-On Education



Hands-on Learning for Impact



Centurion University’s Community Outreach and Zimbabwe Partnership as a Model for SDG 4

Centurion University continues to redefine education—not just within India, but across borders. In a landmark move, Centurion University and the Republic of Zimbabwe signed a Memorandum of Understanding (MoU) to provide advanced, practical training for Zimbabwean students and professionals. The first batch of 71 government officers began immersive, sector-specific training in Odisha, with a goal to train 2,000 officers over two years. This initiative spans industries such as power, electric vehicles, apparel, textiles, and agriculture, positioning Centurion University as a global hub for skill-based education.



Centurion University of Technology & Management

13 November 2024 · 🌐

Strengthening global ties! 🌍 Centurion University partners with Zimbabwe to elevate skill training and opportunities. 🙌

#InternationalPartnership #SkillDevelopment #CenturionUniversity #BestSkillUniversity #LearntheWorld #StudyatCenturion



Fig 10: Strengthening global ties: Centurion University partners with Zimbabwe to elevate education, innovation and cross-cultural opportunities

Odisha's Centurion University ranked India's No 1 Skill University in 'India's Top Universities Rankings 2024'

By [skilloutlook](#) / August 5, 2024 / Comments Off



New Delhi, : Less than a month after being honoured as an 'Outstanding Skill University' at the World Education Summit, Odisha-based Centurion University of Technology and Management (CUTM) has now topped the Outlook-ICARE India's Top Universities Rankings 2024. A Center of Excellence accredited by the Union Ministry of Skill Development & Entrepreneurship, the university has secured All India Rank 1 in the Skill University Category while it has been ranked among top 10 Private State Universities in the country. The rankings released by ICARE, India's first and only

In the heart of Odisha, a university that once began as an experiment in skill-linked education has now earned a place at the very top. Centurion University has been named India’s No. 1 Skill University in the Outlook-ICARE India’s Top Universities Rankings 2024. For years, Centurion has stood out for doing what many only spoke about—blending classrooms with industries, turning campuses into live labs and making every student job-ready through practice, not just theory. Recognized earlier as a Centre of Excellence by the Ministry of Skill Development and as an Outstanding Skill University at the World Education Summit, this latest accolade feels less like a surprise and more like a milestone in a long journey. Its strengths in research, industry engagement, infrastructure, and outreach tell the same story: a university rooted in social purpose, now setting national benchmarks in both education and impact. This recognition also reaffirms Centurion’s outreach-driven model, ensuring that education and skills reach excluded and underserved communities, making its impact both inclusive and far-reaching.



“Proud moment: Centurion University (Odisha) has clinched the No. 1 spot among India’s skill universities in the ‘India’s Top Universities Rankings 2024’ — a tribute to its industry-centric, experiential education model.”

Quality Education through Health Literacy and Outreach

Health Camps

Health is not just a service—it’s a learning opportunity. In November 2023, Centurion University launched the “Healthcare on Wheels” initiative, funded by LTI Mindtree, to bring essential health services directly to rural Odisha. By July 2024, over 200 patients in Chanaghara and Haripur had benefitted from free consultations, eye screenings and affordable eyewear. The villagers had limited formal education, yet they left empowered with insights into self-care, mental wellness, and disease prevention.

These camps exemplify SDG 4 in action—where quality education includes health literacy. Centurion University fostered informed decision-making, resilience and community well-being by integrating learning into healthcare delivery.

Healthcare on Wheels: Learning While Serving

This mobile unit is not just a vehicle—it’s a moving classroom. Students from Centurion University actively participate, gaining hands-on experience while serving marginalized communities.

Chanaghara (24 July): 96 patients received doctor consultations, blood tests, ECGs, and vision care.

Haripur (26 July): 115 patients were served with the help of student volunteers.

Kantia (16 September): 76 individuals engaged in discussions on prevention, resilience, and wellness.

President, Dr. Mukti Kanta Mishra emphasizes that accessible eye care transforms lives. This initiative bridges healthcare and education, promoting awareness, preventive practices, and student engagement—core tenets of SDG 4 and SDG 3 (Good Health and Well-being).

Celebrating Health, Nutrition and Awareness

Centurion University's School of Nursing led three impactful observances in 2024, blending education with community service:

World AIDS Day (December): Under the theme “Take the Right Path: My Health, My Right,” students from multiple disciplines rallied to promote health rights and reduce stigma.

World Breastfeeding Week (August): At Bagasala Anganwadi Centre, nursing students used role plays to teach mothers proper breastfeeding techniques, supported by medical officers and ANMs.

National Nutrition Week (September): Students prepared nutritious salads and explained their benefits, turning food into a medium for learning teamwork, dietetics, and sustainable living.

These events demonstrate how Centurion University transforms awareness campaigns into experiential learning platforms, reinforcing the idea that education is a lifelong, community-rooted process. Centurion University's initiatives reflect a deep commitment to inclusive, equitable and transformative education. Centurion University is not only healing communities—it's educating them for a healthier, more informed future by embedding learning into healthcare, nutrition and social outreach.



Fig 11: Health and Education Initiatives

Educator and Faculty Outreach

Recognizing that teachers are multipliers of knowledge, Centurion University conducted a Faculty Outreach Program in Kanpur that drew external participants including 150 principals,

educators, and coaching leaders. The sessions highlighted the University’s model of on-campus industries, from chalk production to e-rickshaw manufacturing—that allow students to move from ideation to commercialization. Experts like Dr. Sunil Jha emphasized the demand for paramedics and mandatory hospital-based training, ensuring healthcare graduates are job-ready.



Fig 12: Faculty Outreach Program, Kanpur (January 2024)

Environmental Awareness and Sustainability

During the 75th Van Mahotsav Week, Centurion University joined the nationwide campaign “Ek Ped MaaKeNaam.” Students, staff, and NSS volunteers planted saplings of neem, red sandalwood, and peepal, distributed seed balls, and participated in awareness drives at Paralakhemundi and Bhubaneswar campuses. Beyond planting, students engaged in discussions on climate action, indigenous trees, and sustainability-transforming the activity into a living classroom of ecological citizenship.

The campaigns empower them with values, skills, and practices essential for building a sustainable and inclusive future by engaging students beyond classrooms.



Fig 13: Student Engagement Beyond Classroom Activities

Legal Literacy and Social Awareness

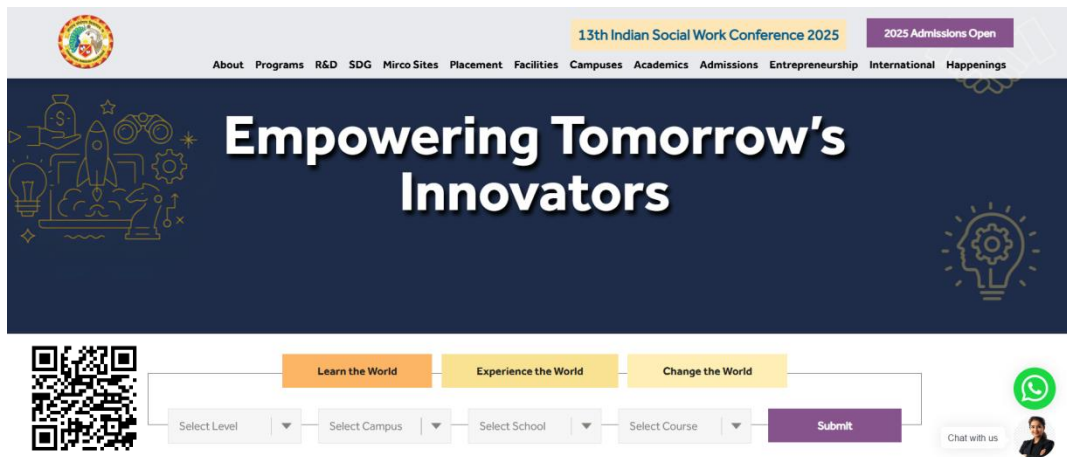
On National Girl Child Day (24th January 2024), the School of Law conducted a Rural Awareness Program. Students held door-to-door visits, street plays, and poster campaigns in nearby villages, spreading awareness on the Right to Education, Child Marriage Prohibition Act, and anti-discrimination laws. Free educational kits and sanitary packs were distributed to inspire and support girl students. This not only empowered communities but also gave law students hands-on service-learning experience.

Students across Centurion University regularly lead awareness campaigns through flash mobs, rallies, blood donation drives, and observances of key days like World AIDS Day, Nutrition Week, Engineers' Day, and Vigilance Awareness Week. Together, these events foster empathy, civic sense, and active citizenship.



Pioneering Technology and Start-Ups

In entrepreneurship, Centurion University's Center for Innovators and Entrepreneurs has incubated over 60 start-ups in sectors like e-mobility and sustainable agriculture. Initiatives like Gram Tarang (<https://gramtarang.org.in/>) and the Urban Micro Business Centre (UMBC) support rural farmers and urban slum dwellers with agri-value chains and micro-loans. These enterprises reinvest profits into both student learning and community development.



Centurion University is also a pioneer in drone training through its DGCA-certified Remote Pilot Training Organization (RPTO). With projects in Odisha, Andhra Pradesh and Telangana, the program has already trained 500 rural youth to become certified drone pilots. Trainees learn advanced flight techniques, mapping, crop health monitoring and asset inspection-bridging rural communities with modern technology.



Fig. 15. Skilling Rural Youth through Aviation

The dream of opening a training organization was born from a simple yet powerful vision-to bring the world of aviation skills to the rural youth of every district in Odisha. At the heart of this vision stood the Remote Pilot Training Organization (RPTO), an authorized body recognized by the Directorate General of Civil Aviation (DGCA), tasked with preparing individuals to soar as skilled drone pilots. An RPTO is not just a training center; it is a gateway to the future. Here, young aspirants step into classrooms and open fields where they learn both the science and the art of flying drones. Ground school lessons introduce them to aviation regulations, weather conditions, and emergency procedures, while hands-on training sessions give them the thrill of maneuvering drones, assembling and disassembling parts, and mastering

ground control systems. Every trainee graduates not just with a certificate, but with the confidence of being a DGCA-certified drone pilot, ready to operate legally and competently across industries. The journey of our RPTO has been both ambitious and impactful. Having acquired seven projects across Odisha, Andhra Pradesh, and Telangana, the program has opened doors for aspirants from underserved and aspiration districts. Over 500 candidates have already been trained under the guidance of experienced DGCA-certified instructors, each walking away with a remote pilot certificate and drone license—their passport to new opportunities:

Drone pilot training course in the RPTO includes different topics like:

- Basic flight maneuvers and controls
- Safety protocols and risk assessment.
- Regulations and airspace management
- Payload management and customization
- Emergency handling and troubleshooting
- Advanced flight techniques and navigation
- Introduction to UAV technology and components
- Training in pedagogy and instructional techniques
- Certification to train new pilots under RPTO guidelines
- Mission planning for specific industries (e.g., agriculture, infrastructure)
- Inspection and Maintenance: Asset inspection for infrastructure and utilities
- Agriculture Drones: Precision farming, spraying, and crop health monitoring.
- Survey and Mapping: Geospatial data collection, terrain analysis, and 3D modeling.

Weaving Education into the Fabric of Society

On National Girl Child Day, 24 January 2024, the School of Law at Centurion University stepped beyond classrooms and into nearby villages. Law students, guided by their faculty, knocked on doors, gathered families, and used street plays and posters to spark conversations about the rights and futures of young girls. They explained laws protecting education and against child marriage, shared real-life success stories, and encouraged parents to dream bigger for their daughters. Free educational kits and sanitary packs became both a gift and a reminder that change begins with awareness. This program was more than a campaign—it was a lesson in empathy and social responsibility. For students, it meant learning by serving; for communities, it meant seeing education as empowerment. Beyond this day, Centurion University’s students continue to plant trees, donate blood, visit homes for the vulnerable, and organize health camps—proving that at Centurion, education is not confined to walls but woven into society itself.



Fig. 16. Community Engagement

Centurion University is recognized for its robust social entrepreneurial outreach, combining academic programs, community projects, and enterprise incubation to foster social innovation and create sustainable local impact.

Education in Action

Centurion University has always believed that education should reach far beyond classroom walls. In the villages of Odisha and Andhra Pradesh, this belief takes shape as students and faculty step into fields, schools, and community spaces, turning them into living laboratories of learning.

Rural Agricultural Work Experience

Through the Rural Agricultural Work Experience (RAWE) Programme, agriculture students leave behind the comfort of campus to live alongside farmers. They walk the fields at sunrise, discuss crop cycles over tea, and share knowledge on soil health, pest management, and organic practices like Jeevamrutham. In return, they gain something no textbook can offer—an understanding of resilience and tradition woven into rural life.

Agri-Entrepreneurship Learning Programme

The Agri-Entrepreneurship Learning Programme (AELP) adds another chapter to this story. Here, students work not only as learners but as catalysts of change, organizing Agri Exhibitions and KisanMelas where farmers explore new crops, technologies, and value-addition opportunities. At Chapara, women farmers gathered around stalls of mushroom and dragon fruit cultivation, inspired to experiment and take their first steps toward entrepreneurship. What began as an exhibition became a spark of possibility.



Fig.17.Kisan Mela, 2024

సాక్షి

సేంద్రియ వ్యవసాయంతో మేలు

మెళియాపుట్టి: వ్యవసాయంలో మెలకువలు పాటిం చాలని పర్లాఖిమిడి (ఒడిశా) సెంచూరియన్ వర్మిటీ ప్రొఫెసర్లు, విద్యార్థులు అన్నారు. మంగళ వారం మండలంలోని చాపర గ్రామంలో సేంద్రియ వ్యవసాయంపై రైతులకు అవగాహన కల్పించారు. సెంచూరియన్ విశ్వవిద్యాలయంలో సేంద్రియ వ్యవసాయం ద్వారా పండించిన పంటలను ప్రదర్శించి ఉపయోగాలు తెలియజేశారు. డిజిటల్ వ్యవసాయం ఎంతో మేలని 'నా పంట' యాప్ ఉపయోగాలను వివరిస్తూ.. రైతులు దీనిని సద్వి నియోగం చేసుకోవాలన్నారు. రైతులు పండించే పంటల ధరలు, వాతావరణ సూచనలు, తెగుళ్లకు నివారణ పద్ధతులు ఈ యాప్ ద్వారా తెలుసుకోవ చ్చున్నారు. దగ్గరలో ఉన్న ఎరువులు, విత్తనాల



సెంచూరియన్ వర్మిటీ ప్రొఫెసర్లు, విద్యార్థులు

డీలర్ల వివరాలు సైతం ఉంటాయని, వారితో నేరుగా మాట్లాడే అవకాశం ఉందన్నారు. రైతు సమస్యలకు పరిష్కార మార్గాలు, సూచనలు ఇవ్వడా నికే ఇందులో నిపుణుల వివరాలు అందుబాటులో ఉంటాయన్నారు. ప్రొఫెసర్లు, వైద్యులు సలాన శరత్, సర్పంచ్ రామారావు, రైతులు పాల్గొన్నారు.

JC Kumarappa Rural Technology Park at Centurion University

Innovation Rooted in the Soil

Welcome to the JC Kumarappa Rural Technology Park, a living story unfolding inside the lush campus of Centurion University. Here, every path leads to an experiment, every corner to an idea, and every workshop to a possibility. This is not just a park—it is a bridge where the wisdom of villages meets the tools of tomorrow.

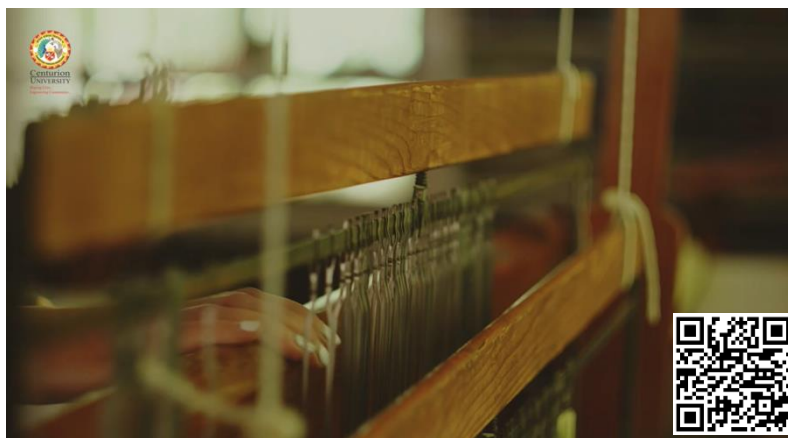


Fig 18: Weaving Centre of Rural Technology Park, Centurion University

As you walk through, you see young students side by side with farmers, testing renewable energy models, experimenting with organic farming, and shaping eco-friendly innovations. The hum of machines blends with the rhythm of traditional crafts, reminding us of Mahatma Gandhi’s dream of self-reliant communities. What began as a vision has grown into a hub where skill, sustainability, and social responsibility thrive together. Workshops buzz with energy, artisans share stories, and researchers turn local challenges into global solutions. From clean energy to sustainable agriculture, the park tells a powerful story—that true innovation begins when tradition and technology join hands. The JC Kumarappa Rural Technology Park is not only a destination but a journey—one that inspires every visitor to believe in a future where progress uplifts everyone.

Woven together, these stories reveal Centurion University’s true philosophy: education is not just learned, it is lived and shared. By walking into communities, students discover the meaning of service; by embracing innovation, farmers find new hope; and by merging the two, Centurion University turns outreach into transformation.

Learner Testimonial



In 2024, I joined the Participatory Action Learning on Nutritional Garden organized by Centurion University and J C Kumarappa Technology Park and Innovation Center. Through this training, I learned how to plan, prepare, and manage a nutritional garden using local resources. Now I am harvesting fresh vegetables and greens regularly from my garden, which helps to ensure food and nutritional security for my family. This initiative has also motivated others in my village to start their own gardens for better health and sustainability



Name: S. Gomango

Centurion University Training & Outreach Impact

Outreach, Health & Environment Integration: Inter-SDG Linkages



Health Camps

13 Camps
522 Benefited



Health Care
on Wheels

6000+
Benefited



Vision Care
on Wheels

16000+
People Screened



Plantation
Drives

5000+
Saplings Planted



Legal Awareness

200+
Students Reached



SDG 3 & SDG 4: HEALTH & EDUCATION FOR ALL

Source: CUTM SDG 4 Report 2024-25

Community and Global Outreach

Outreach Summary Table

Country/Region	Participant	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



Global & Regional Footprint



Source: CUTM SDG 4 Report 2024-25

Centurion University’s educational outreach beyond campus exemplifies how a university can redefine the boundaries of learning to drive real-world transformation. Its initiatives beginning from rural skill training to agricultural innovation, school education, healthcare literacy, legal awareness, environmental stewardship and global collaborations—demonstrate that education can be both inclusive and impactful. The university nurtures self-reliance, entrepreneurship and civic consciousness among students and communities alike by blending academic excellence with social responsibility. Each program, from farmer training to drone piloting reflects Centurion University’s belief that education is most powerful when it uplifts lives and fosters sustainable livelihoods. Recognized as India’s No. 1 Skill University in 2024, Centurion University continues to prove that true learning lies not in examinations, but in action—where every classroom connects to a community, every skill builds a livelihood and every learner becomes a catalyst for change.

SDG 4 – Quality Education (Centurion University 2024–25)

Centurion University fosters inclusive and lifelong learning through open access, digital education, skill training, teacher empowerment, research and community outreach. These integrated initiatives collectively advance SDG 4 by ensuring equitable, accessible and transformative education for all.

Total Direct Beneficiaries (2024–25): 5.3 Lakh+ Projected Beneficiaries by 2030: 8.5 Lakh+ under “Centurion University Learning for All 2030”

SDG 4 – Quality Education: Events & Beneficiaries (CUTM 2024-25)

	Free Resources & Open Acces	Representative Events / Programs	3,00,000+
	Skill & Vocational Programs	Certificate & Award Courses, Open Library, Online Databases, Courseware, AR/VR Learning	5,00,000+
	Faculty & Teacher Training	FDP (DTET Odisha), CHSE Teachers' Training	66
	Community & Extension Events	Kisan Mela, Agri Exhibition, Rural Haat, Health Camps, PACS & OPTCL Training	7,500+
	Academic Events & Conferences	GSN, Viksit Bharat, AYUSH, GIS Day, Avalanche Bootcamp	1,888
	Student Exposure & Internships	Culminace, Manzar 3.0, OFS Exposure Visit, W/STA Internships	11,390+
	Rural Innovation & Culture	J.C. Kumarappa Technology Park & Studios, Cultural Workshops	1,665
Total Beneficiaries			5,23,500+

OTHER INITIATIVES

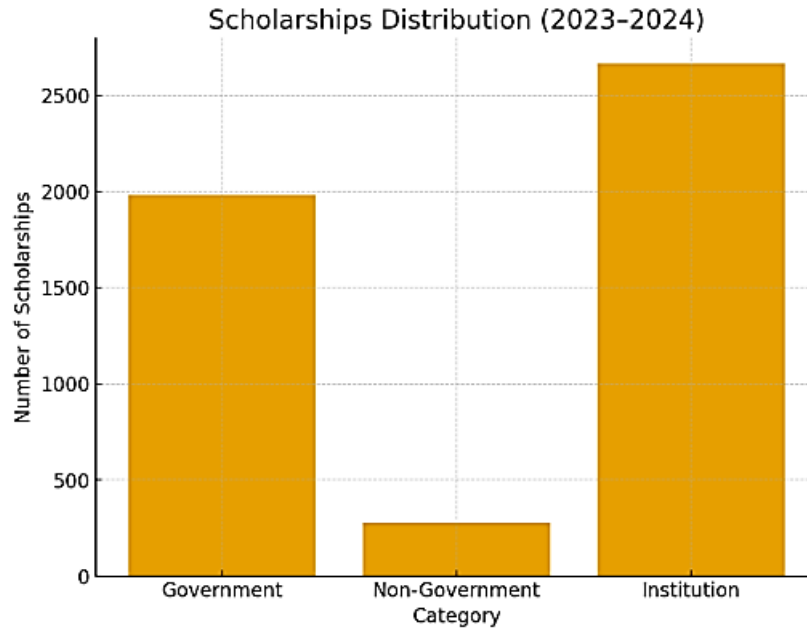
Student Support and Progression

Scholarships Facilitated by Centurion University

The Centurion University provides scholarships to students enrolled in UG and PG programs to ensure diversity in the student population and remove financial barriers to education. Scholarships are facilitated through internal sources, donors, and various government schemes to make education accessible to all, irrespective of caste, creed, or class. To further promote access and equity, the university actively supports students in availing scholarships offered by the Government of India, State Governments, and reputed organizations. Key platforms include:

- Odisha Government Scholarship: <https://scholarship.odisha.gov.in>
- National Scholarship Portal: <https://scholarships.gov.in>
- Jharkhand e-Kalyan: <https://ekalyan.cgg.gov.in>
- Bihar State Scholarship: <http://www.pmsonline.bih.nic.in>
- Andhra Pradesh Scholarship: <https://jnanabhumi.ap.gov.in>
- LIC Golden Jubilee Scholarship: <https://licindia.in/golden-jubilee-scholarship-scheme>
- Buddy4Study: <https://www.buddy4study.com>
- Vidyasaarathi: <https://www.vidyasaarathi.co.in>
- Sitaram Jindal Scholarship: <https://www.sitaramjindalfoundation.org/scholarships-for-students-in-bangalore.php>
- Jindal Foundation Scholarship Portal: <https://www.jspfoundation.co.in/education.html>
- The Global Scholarship Portal: <https://www.theglobalscholarship.org>

Through these efforts, Centurion University strengthens its commitment to Sustainable Development Goal 4 (Quality Education) by ensuring inclusive, equitable, and affordable education opportunities for all.



Centurion University facilitated a total of 4,920 scholarships. Among these, the majority (2,665) came from Institutional sources, followed by 1,980 Government scholarships. Non-Government scholarships accounted for 275, reflecting additional support from private organizations and CSR initiatives. This highlights the university’s strong institutional support, complemented by government and external contributions to ensure access to education.

Odisha State Scholarship Portal
Government of Odisha

ଓଡ଼ିଶା | A- | A+ | Screen Reader

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Centurion University of Technology and Management

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Approved Application(s)

Academic Year: 2024-25

--Department-- --Scheme-- --Gender-- --Category-- Student Name

--Class-- Application No. --Application Type-- SEARCH

New Application
Reverted Application
Re-Applied Application
Provisional Verification
Final Approval
Rejected

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Sl.#	Application No.	Name	Department	Scheme	Class	Gender	Category	Type	Applied On	Status	Action
1	STSC92502277733995	Eeshan Choudhury	ST&SC and MBC Welfare Department	Post Matric Scholarship	Engineering - B.Tech Course	Male	OBC/SEBC	New	27-02-2025	Payment Success 0 days	View
2	STSC92502147632264	Kadagala Venu	ST&SC and MBC Welfare Department	Post Matric Scholarship	Engineering - B.Tech Course	Male	OBC/SEBC	Renew in Same Course	14-02-2025	Payment Success 0 days	View

114

Important Points:

- 1) An Edit option for Application/Documents upload services are available, if student application status is Pending at College. Student will re-submit application/documents into our ekalyan portal within timeline.
- 2) Any student application status is Pending at DA officer, student will cross verify application status in online portal by using student login details, then student will read the instructions given by DA officer.
- 3) An Edit option for Application/Documents upload services are available, if student application status is Pending at DA officer. Student will re-submit application/documents into our ekalyan portal.
- 4) DA officer will not consider student application, student is not eligible for scholarship if student not submitted updated application/documents within timeline.

Academic Year: 2024-25

Search:

Post Matric (Outside State) MIS Report Academic Year :: 2024-25

S.No	Applicant No	Scan Copy of Application Submitted	Applicant Name	Father Name	Category	Gender	Family Income	Scheme Type	College Admit Date	Hostel Admit Date	Course Name	Course Year	Status	Pending/Rejected Reasons
1	OS/24-25/BC/24/250/12207/2514772	Not Uploaded	MANAS KUMAR SHAW	SUKUMAR SHAW	BC	Male	78000	Hosteller	23/09/2024	23/09/2024	B TECH (COMPUTER SCIENCE ENGINEERING)	1	Approved by DMO officer	

Centurion University is an inclusive and equal opportunities organization and strives to empower determined female students by facilitating their education in Engineering.

In alignment with SDG-4's goal of providing equitable education, Centurion University offers various scholarships initiatives, sports scholarships and exclusive scholarships for women to empower marginalized groups.

Key initiatives include:

Women-Centric Scholarships: Fostering women empowerment through scholarships that aim to support girls from disadvantaged backgrounds, promoting gender equity in education.

The World Needs Engineers, Engineering Needs Women.

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Limited Seats Left

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Centurion University's 'Chandrika' Scholarship is a unique initiative to develop young women as #Engineering Leaders of our nation. This scheme comes into effect from 20th Oct 2021.

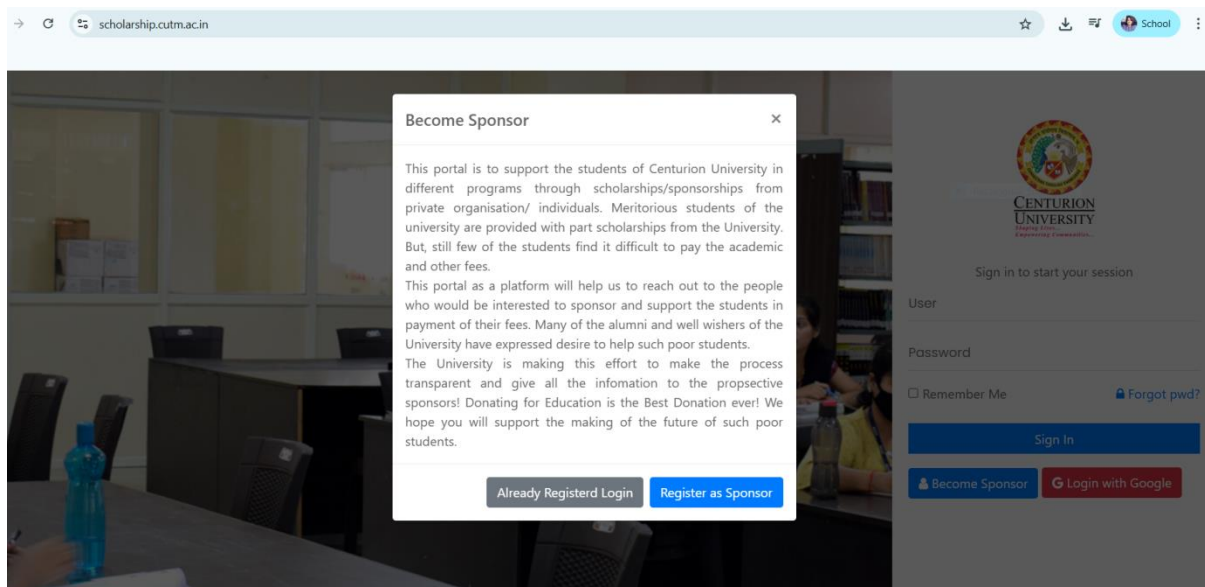
CSR Scholarships: Scholarships offered in collaboration with corporate partners, helping underprivileged students access higher education.

Sports Scholarships: Encouraging students with exceptional sports talent by offering financial aid to pursue education while continuing their athletic journey.

Scholarship & Sponsorship Portal

Donating for education is the best donation ever!

This portal supports Centurion University students through scholarships and sponsorships from private organizations and individuals. While meritorious students receive part scholarships from the university, some still struggle to pay academic and other fees. The platform connects alumni, well-wishers and donors with students in need, ensuring transparency in the process.



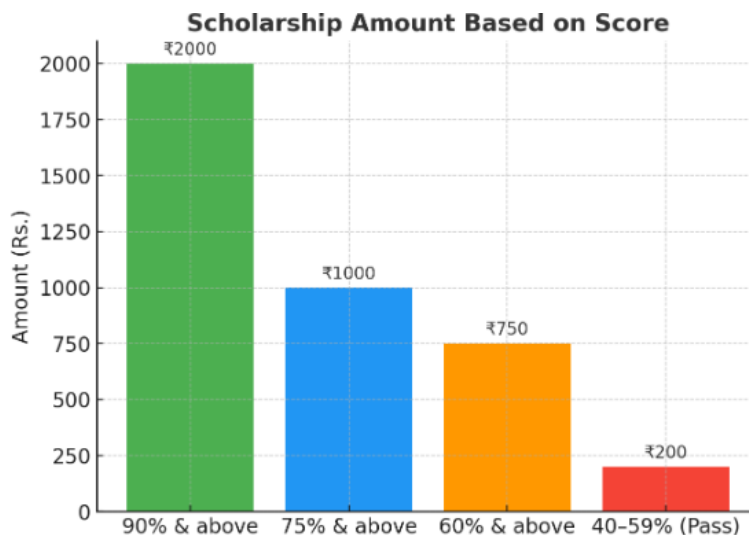
Sources:

<https://scholarship.Centurion University.ac.in/>

<https://Centurion University.ac.in/student-financial-aid-poverty/>

[https://Centurion University.ac.in/5-1-1-students-benefited-by-scholarships-and-freeships/NPTEL Scholarship at Centurion University](https://Centurion University.ac.in/5-1-1-students-benefited-by-scholarships-and-freeships/NPTEL_Scholarship_at_Centurion_University)

Centurion University encourages academic excellence and lifelong learning through the NPTEL Scholarship Scheme. This initiative motivates students to actively participate in NPTEL online certification courses and rewards them based on performance. Scholarships are awarded as follows:

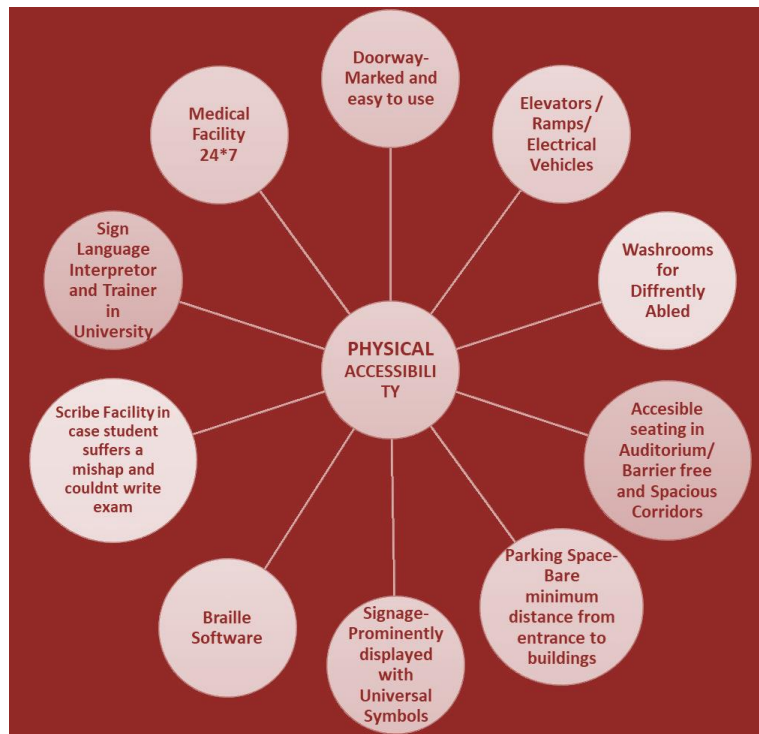


By linking achievement with financial recognition, Centurion University fosters a culture of continuous upskilling, digital learning, and national-level academic engagement. The scheme directly supports students in building competencies aligned with industry and academia.

These scholarships not only create opportunities for diverse students but also foster inclusivity and empowerment, thus contributing to SDG-4.

Inclusivity for students with different abilities

Centurion University ensures inclusivity for students with disabilities through accessible infrastructure (lifts, disabled-friendly washrooms, e-vehicles), assistive technologies, and academic support such as scribes, sign language interpreters, and extra time during exams. Policies include a 3% reservation, a "no queue" facility, and compliance with the Rights of Persons with Disabilities Act, 2016. Support extends to mentoring, peer groups, and psychological counseling, fostering equal participation and opportunities for all students.

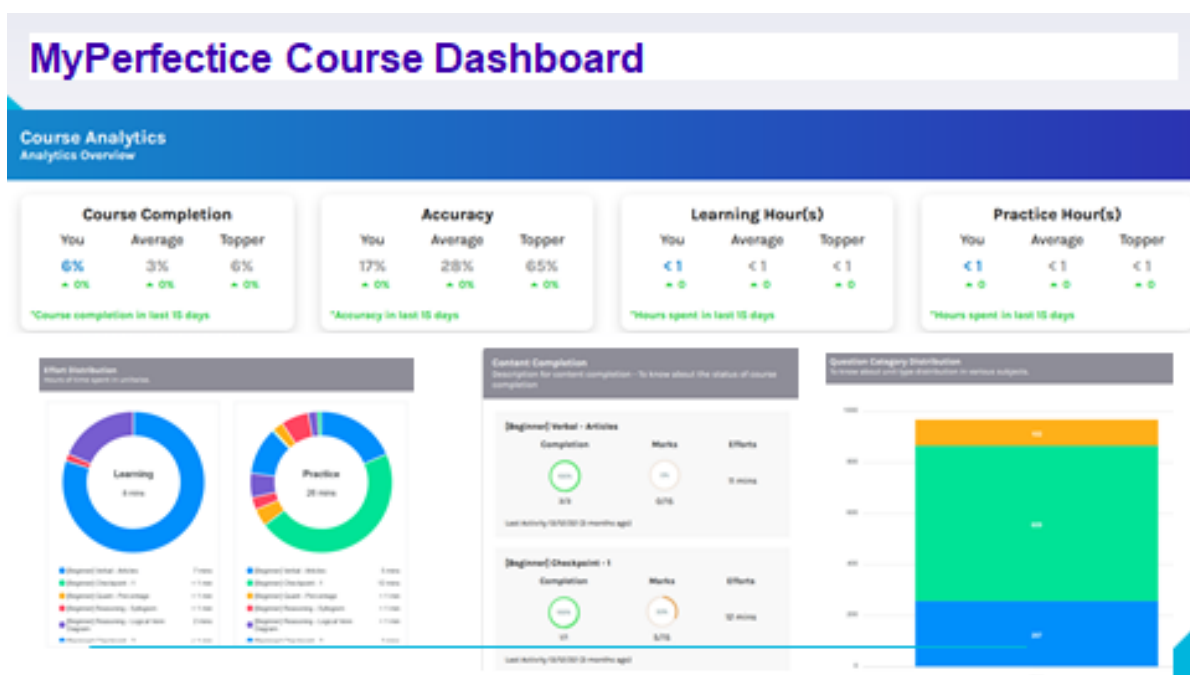


Employment at GTET apparel of Differently abled

Training and Placement

Centurion University has a Career Development Cell (CDC) that manages training and placement activities. The university emphasizes skill-integrated higher education through

practical learning, internships and partnerships with various industries. Students have been onboarded to various digital platforms like MyPerfectice Platform and Geeks for Geeks continuous practice and assessment. MyPerfectice is an AI-driven learning and assessment platform designed to enhance students' skills and employability. It provides personalized practice tests, skill-building exercises and real-time feedback to help learners identify strengths and areas for improvement. The platform uses adaptive learning techniques to tailor content to individual needs, preparing students for competitive exams, campus placements and professional success. Institutions also benefit from its analytics dashboards, which track student progress and performance across various competencies.





Centurion UNIVERSITY

Shaping Lives...

Empowering Communities...