

Lifelong Learning and Open Education Access

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.

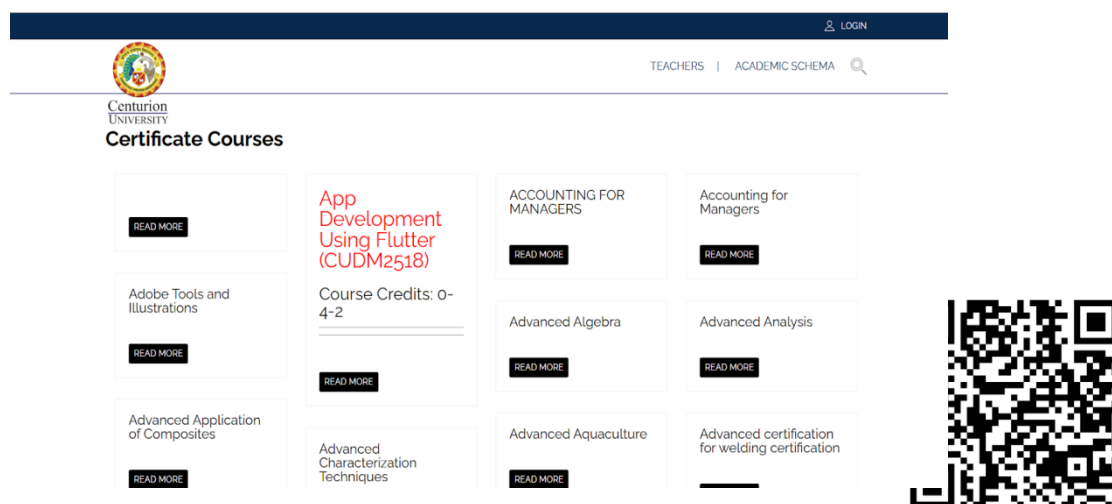


Fig 1. Centurion Courseware

Free Access to Campus Facilities and Equipment

Access to Facilities: Libraries & Research Labs

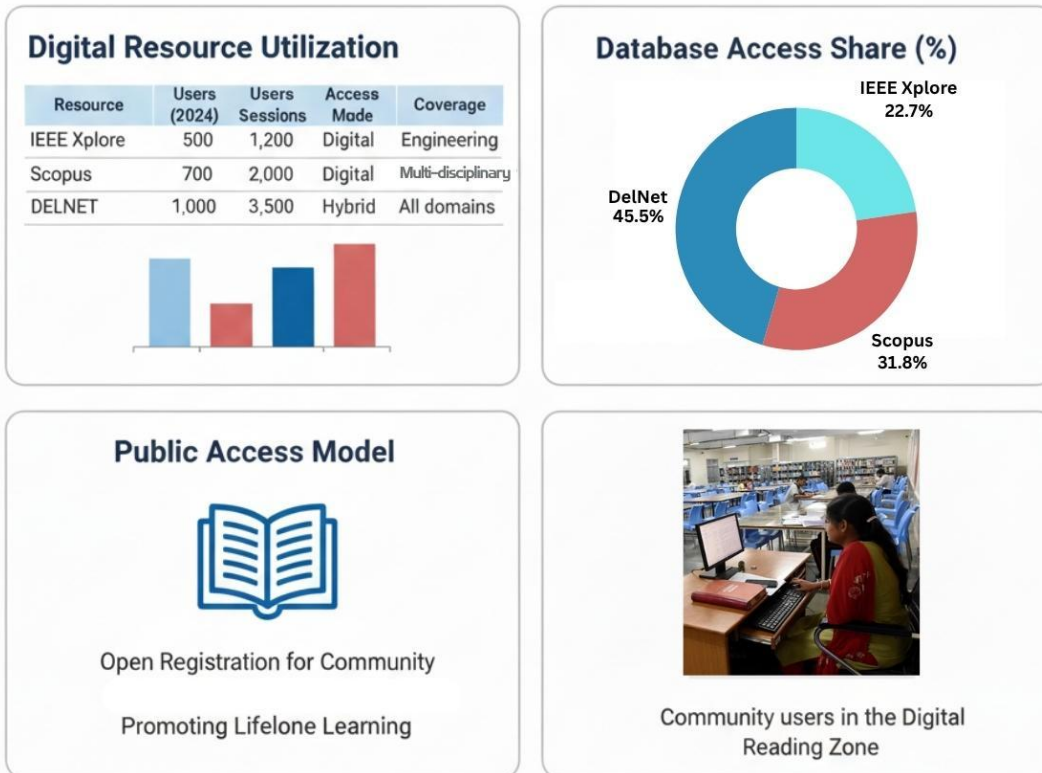


Fig 2. Access to Facilities, Libraries & Research Labs (Centurion University SDG-4 Report)

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. Dhableswar 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 ASPP)	(IEEE- 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




1. Smart Technologies & Digital Systems


Centre for Computational Mathematics


Centre for Communication Technologies


Centre for Data Science and Machine Learning



Centre for 3D Printing and Digital Manufacturing


Centre for Smart Mobility and Machines


4. Agriculture, Fisheries & Food Systems


Centre for Smart Agriculture



Centre for Agriculture 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. Prajna Pani

Free access to online resources

Courseware and Domains for Transformation

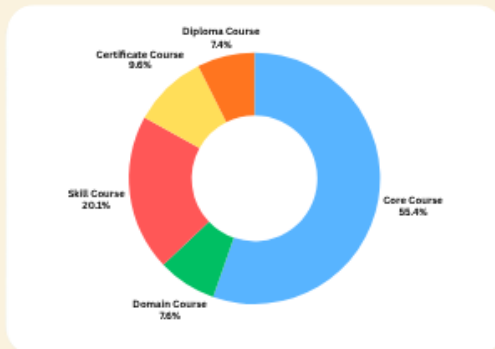
The university constantly updates its curriculum to remain relevant to industry demands. E-materials are made available at Centurion Courseware for all students. Implicit in our vision for inclusive education and development is our open practice - open courseware, open content and open culture of learning.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

Online Learning and Digital Courseware



Learner Testimonial

Working in rural development and farmer empowerment, I found this course extremely valuable. The modules on agricultural micro-macro financing, crop insurance, and cooperative systems provided our team with practical knowledge to guide farmers in accessing credit and government schemes more effectively.

Antim Joshi

Quick Access

Scan for Courseware Site

SDG 4: QUALITY EDUCATION TARGETS 4.3 & 4.4

Source: CUTM SDG 4 Report 2024-25

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.

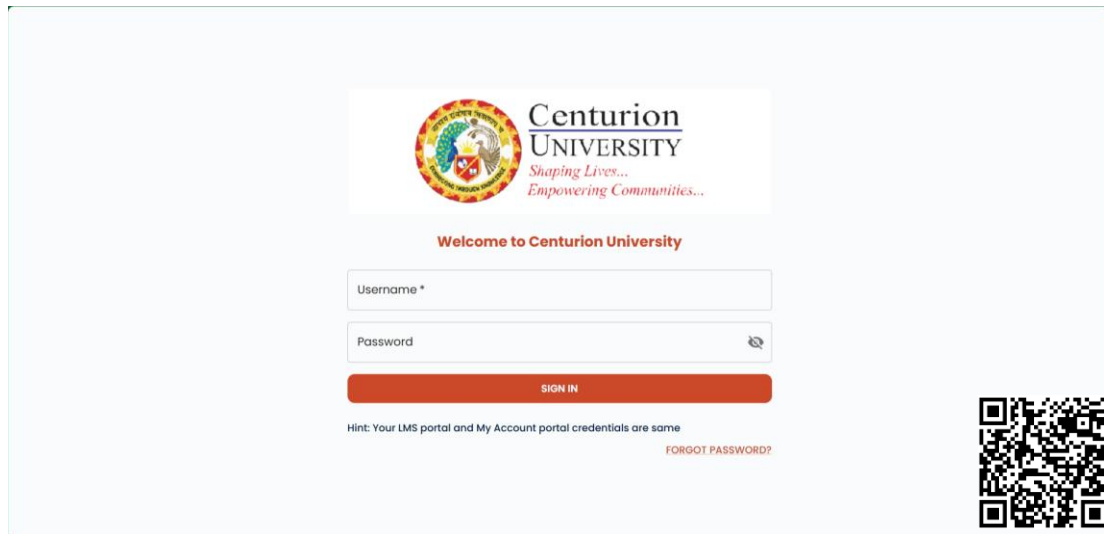


Fig.17. Educational Access

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.

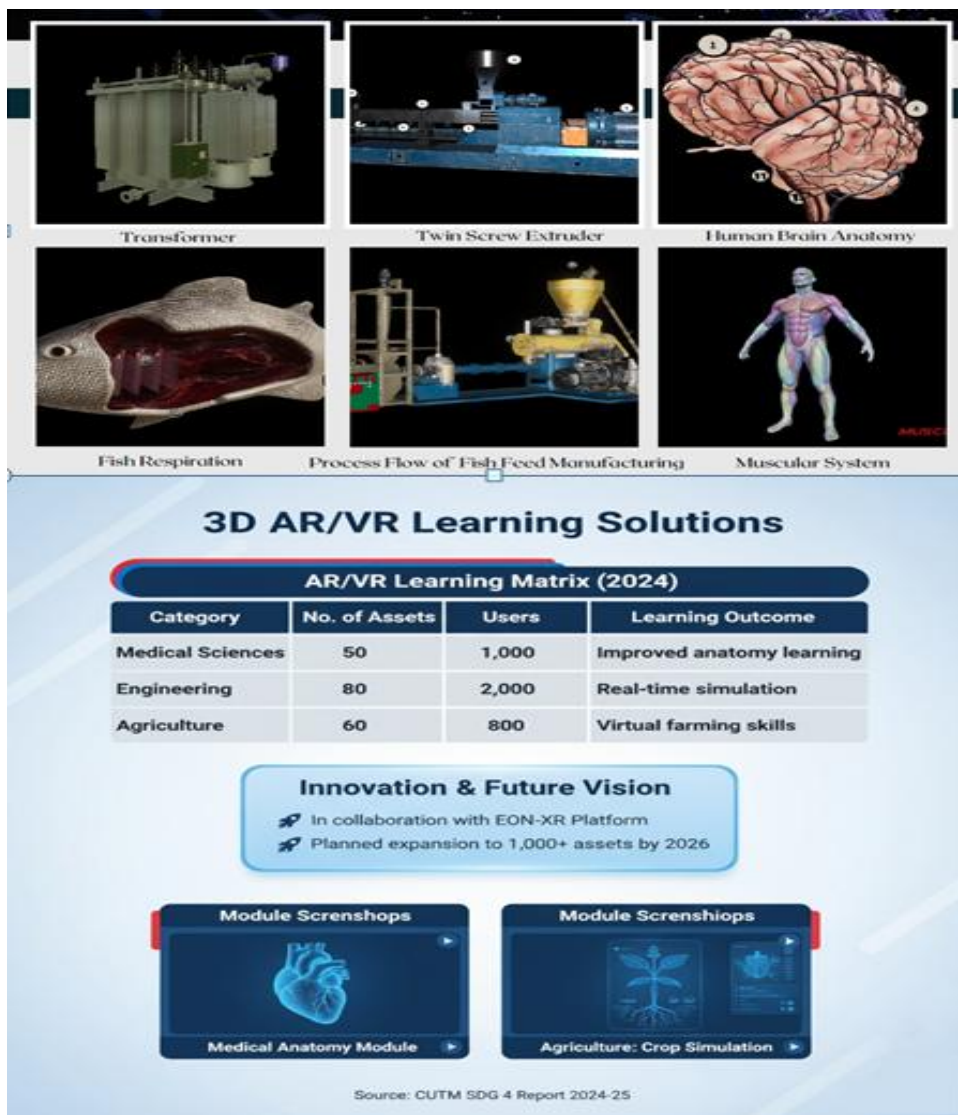


Fig.18. 3D Learning Assets for Solutions

- 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

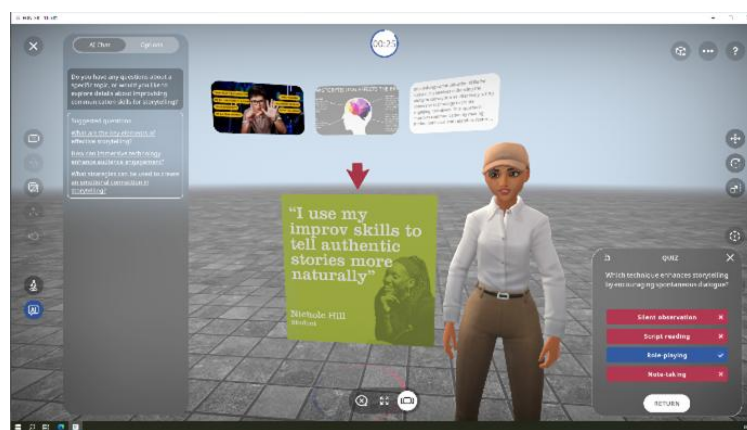







Fig.19. Learning Assets

Fig.19. EON Learning Assets

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.

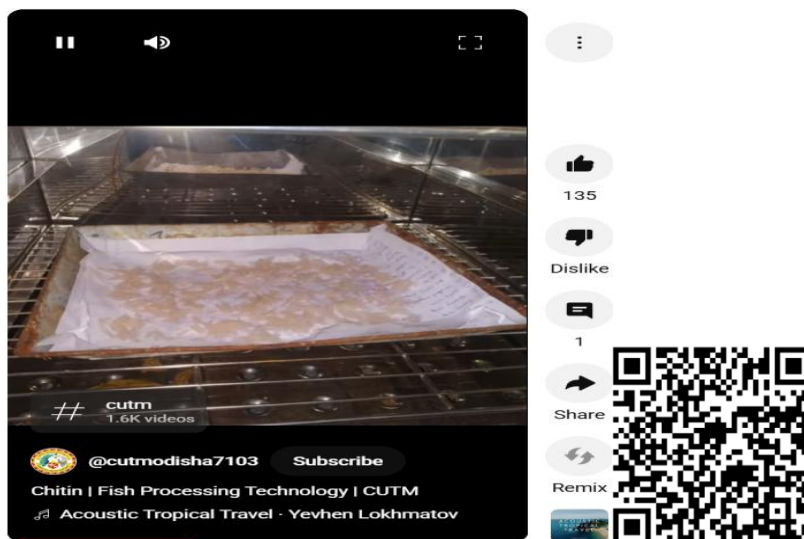


Fig. 22. Student Testimonials

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

Udemy Course Gerbera Cultivation

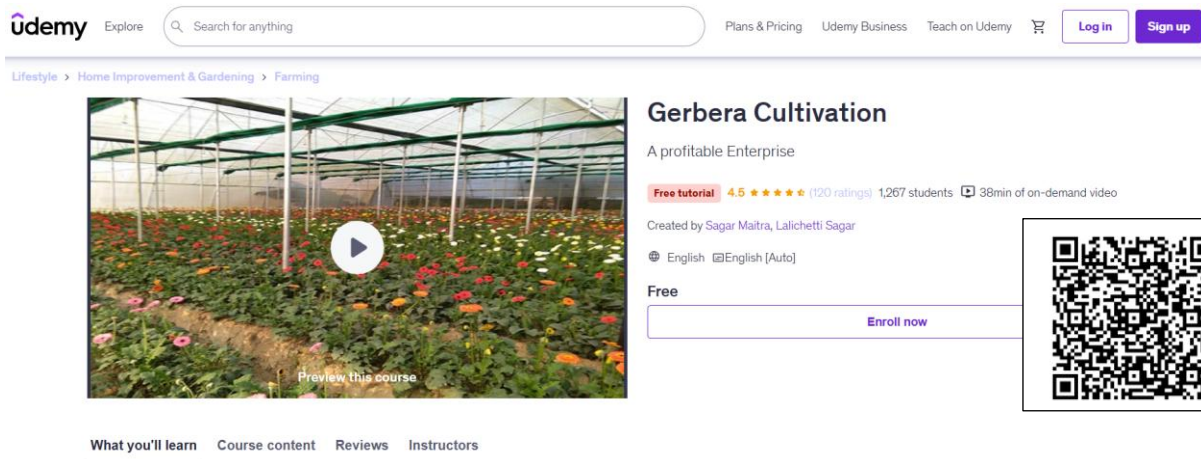


Fig. 22. Udeemy Course on Gerbera Cultivation

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.

Udeemy Course on Dendrobium Orchids under Protected Environments

The image shows a screenshot of a Udeemy course page. At the top, the Udeemy logo is on the left, followed by a search bar and navigation links for 'Plans & Pricing', 'Udeemy Business', 'Teach on Udeemy', 'Log in', and 'Sign up'. Below the header, the breadcrumb trail reads 'Teaching & Academics > Science > Farming'. The main content area features a large video thumbnail of a greenhouse filled with vibrant pink and white Dendrobium orchids. A play button icon is overlaid on the video, and the text 'Preview this course' is at the bottom left of the thumbnail. To the right of the video, the course title 'Dendrobium Orchids under Protected Environments' is displayed in a large, bold font. Below the title, it says 'A Practical Approach'. Further down, 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'. Language options for 'English' and 'English [Auto]' are shown. A 'Free' label is present above an 'Enroll now' button. Below the video, there are tabs for 'What you'll learn', 'Course content', 'Reviews', and 'Instructors'. Under the 'What you'll learn' tab, a checkmark icon is followed by the text 'Imparts practical knowledge in Dendrobium orchids cultivation'.

Fig. 22. Free Udeemy 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.

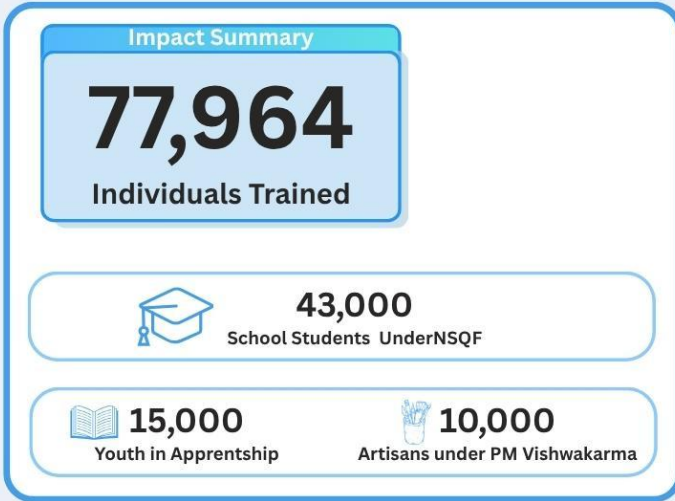
Aligned with SDG 4 (Quality Education), these initiatives contribute to:

- 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

TESTIMONIALS



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



“୨୦୨୪ ମସିହାରେ ମୁଁ ସେଣ୍ଟ୍ରାଲ୍ ଯୁନିଭର୍ସିଟି ଏବଂ ଜେ. ସି. କୁମାରପ୍ପା ଟେକ୍ନୋଲୋଜି ପାର୍କ ଏଣ୍ଡ ଇନୋଭେସନ ସେଣ୍ଟର ଦ୍ୱାରା ଆୟୋଜିତ “ନ୍ୟୁଟ୍ରିସନାଲ ଗାର୍ଡେନ୍ ଉପରେ ପାର୍ଟିସିପେଟୋରି ଆକ୍ଟିଭିଟି” କାର୍ଯ୍ୟକ୍ରମରେ ଯୋଗ ଦେଇଥିଲି । ଏହି ପ୍ରଶିକ୍ଷଣ ମାଧ୍ୟମରେ ମୁଁ ସ୍ଥାନୀୟ ସମ୍ପଦ ବ୍ୟବହାର କରି ଏକ ପୋଷଣ ବଗିଚା କିପରି ଯୋଜନା, ପ୍ରସ୍ତୁତି ଓ ପରିଚାଳନା କରିବା ଯାଇଥାଏ ବୋଲି ଶିଖିଲି । ବର୍ତ୍ତମାନ ମୁଁ ନିଜ ବଗିଚାରୁ ନିୟମିତ ଭାବରେ ଚରକାରୀ ଓ ସାଗ ଚାଷ କରୁଛି, ଯାହା ମୋର ପରିବାର ପାଇଁ ଖାଦ୍ୟ ଓ ପୋଷଣ ନିରାପତ୍ତା ସୁନିଶ୍ଚିତ କରୁଛି”

ଏହି ପଦକ୍ଷେପ ଆମ ଗାଁର ଅନ୍ୟାନ୍ୟ ଲୋକଙ୍କୁ ମଧ୍ୟ ନିଜ ନିଜ ବଗିଚା ଆରମ୍ଭ କରି ସୁସ୍ଥ ଜୀବନ ଓ ସସ୍ୟତା ପାଇଁ ପ୍ରେରିତ କରୁଛି ।



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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 intercultural 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



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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
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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, Udemy, 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 2025, 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.



Centurion UNIVERSITY

Shaping Lives...

Empowering Communities...