



## **CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT**

### **VIZIANAGARAM, ANDHRA PRADESH**

#### **ANNUAL REPORT 2024-25**

The University has been running 7 schools, namely School of Engineering and Technology, School of Management, School of Allied Healthcare Sciences, School of Forensic Science, School of Management, Centurion School of Smart Agriculture, School of Pharmacy and Life Sciences, offering Doctoral Programme, MTech, BTech in CSE, ECE and Mechanical, MSc and BSc in Optometry, Radiology, Anaesthesia & OT, Cardiovascular Technology, MBA, BBA, MSc and BSc in Forensic Science, BSc (Hons) Ag, B. Pharmacy, D. Pharmacy and Diploma in Engineering programmes. Currently University is offering 19 programmes with a student strength of appx.1942. We have 63 faculty, 104 non-teaching staff and support staff working in the University. The campus is spread over 67 Acres of land with the following built up area of 36,72,270 sqft. It has also created sports and recreation facility inside the campus of 2,60,000sqft.

#### **Research and Publication**

The faculty members have made significant contributions to research and academic development, with a total of 33 publications indexed in Scopus and 27 in Web of Science, reflecting strong engagement with high-quality international journals. Additionally, they have published 1 UGC-listed article, 6 books, and 6 book chapters, showcasing diverse scholarly output. The faculty's commitment to innovation is further demonstrated through 3 filed or granted patents. The research ecosystem is strengthened by 35 active research scholars, and the successful completion of 11 PhD degrees highlights the institute's growing academic excellence and research productivity.

#### **Teaching-Learning Ecosystems**

The university's teaching-learning ecosystem is designed to promote hands-on, experiential learning across all disciplines. Allied Health students are engaged in clinical practice for real-world exposure, while learners from technology and engineering domains participate in bootcamps, hackathons, and workshops on emerging technologies such as AI ML, Data Science, IIOT, Blockchain, Generative AI, VLSI & Chip Design, Embedded Systems, Quantum Computing, AR & VR, Additive Manufacturing, GO-TO-MARKET, Digital manufacturing and Medical Coding. Regular Alumni Talks and Industry Talks strengthen career guidance and industry alignment. Technical clubs and student-led TechTalk sessions further nurture innovation and peer learning. Students also gain valuable experience through internships in production labs and live projects. The campus encourages entrepreneurial skills through student-managed enterprises including the Community Café Centre (CCC), food stalls, apparel retailing, and the sale of organic vegetables grown on campus. Additionally, evening co-curricular activities for hostellers help promote holistic development and a vibrant campus life.

The university adopts a project-based learning approach where students work on real-time problem statements sourced from SIH, enabling them to develop practical solutions. This model not only strengthens innovation and critical thinking but also prepares students effectively for national and internal hackathons, which in turn enhances their placement readiness and employability.

#### **SWAYAM Courses**



The university actively promotes online and digital learning through SWAYAM courses, encouraging students to enhance their knowledge beyond the conventional curriculum. A total of 636 students enrolled in 52 SWAYAM courses, with 184 students registering for the examinations. Out of these, 102 students successfully qualified, demonstrating both engagement and achievement in online learning initiatives.

### **Industry Certification**

A total of 24 students have successfully completed industry-recognised certifications in new-age technologies from leading global platforms such as IBM, AWS, and Meta, strengthening their technical competencies and enhancing their employability in emerging digital domains.

### **Students' achievements in Sports**

23 students got Gold/Silver/Bronze in weight lifting competition at international, national and state levels. 1 girl student got a Silver medal in the Commonwealth weight-lifting championship.

### **Training and Placements**

The University offers a wide range of training activities aimed at strengthening students' academic, professional, and employability skills. Regular skill-development workshops, soft-skills and aptitude training, technical certification programs, and domain-specific sessions ensure holistic preparation for future careers. The Training and Placement Cell conduct career talks, alumni talks, and industry expert interactions to expose students to real-world insights and emerging trends. Hackathons, innovation challenges, and project-based learning initiatives further nurture problem-solving abilities and creativity. Students are also provided with structured internship opportunities, industrial visits, and hands-on learning experiences to bridge the gap between theory and practice. Comprehensive placement support, ranging from resume building and interview preparation to career counselling and mentorship, enables students to confidently pursue diverse employment opportunities and achieve professional success.

- Highest Salary: 50 LPA in 2024 and 14.96LPA in 2025
- Median Salary: 3.5LPA

### **Academic Initiatives**

The university has introduced several key initiatives to strengthen academic quality, research productivity, and community engagement. Annual curriculum review workshops are conducted with industry and academic experts to ensure alignment with emerging trends, while internal and external academic audits help evaluate and enhance teaching-learning standards. Faculty development is prioritized through digital competency programs focused on AI tools, new-age technologies, and blended learning. To promote a strong research culture, the university provides seed money for faculty research and student projects, operates a dedicated Innovation & Start-up Hub with mentoring and incubation pathways, and conducts publication quality improvement workshops on Scopus/Web of Science writing and research ethics. Faculty contributions are recognized through appreciation and incentive systems, alongside encouragement for community-based participatory research aligned with the Sustainable Development Goals (SDGs). Institutional performance is monitored through an Annual Performance Index (API) supported by the Dean's Dashboard. The university also advances sustainability through regular internal green and energy audits and a comprehensive green campus initiative covering waste segregation, solar energy adoption, and water management. Student development is enriched with NSS/NCC facilities and a Village/Community Adoption Program focusing on skill development, health, and education. A



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transparent digital grievance redressal system with periodic reviews ensures accountability and continuous improvement across the institution.

## Events

The campus hosted a series of vibrant academic, cultural, and professional events throughout the year, enriching student learning and institutional visibility. Laksha Deepardhana was celebrated on 10th November, adding a traditional and cultural spirit to the campus. The School of Management organized Bizfest-02, showcasing entrepreneurial skills and business innovation. The university successfully conducted an International Conference on Innovations in Healthcare: Smart and Advanced Applications from 24–26 July 2025, bringing together researchers, practitioners, and industry experts. A hands-on workshop on Computational Drug Discovery and Molecular Docking using Biovia Discovery Studio was held on 6th and 7th February 2025 to strengthen practical skills in biomedical research. Various professional observances—including Optometry Day, Radiology Day, AT & OT Day, Forensic Science Week, Pharmacy Week, and Engineers' Day—were celebrated to enhance domain awareness among students. The institution also expanded its academic outreach through a collaboration with the National Tribal University for Indian Knowledge Systems (IKS). The year concluded with Gajajyoti 2025, the university's annual function, which brought together cultural performances, awards, and community celebrations.

## SDGs

The university actively aligns its activities and programs with the United Nations Sustainable Development Goals (SDGs), integrating sustainability, social responsibility, and community engagement into campus life. Community-Based Participatory Research (CBPR) projects address health, education, and skill development in local villages, while the Village/Community Adoption Program focuses on empowering communities through vocational training, awareness campaigns, and educational support. The campus promotes environmental sustainability through initiatives such as waste segregation, solar energy adoption, water management, and periodic green and energy audits. Student engagement in NSS/NCC activities further strengthens social responsibility and leadership skills. Research, innovation, and start-up initiatives are encouraged in areas aligned with SDGs, ensuring that faculty and student projects contribute to sustainable and socially relevant solutions.

### SDG Rank

- SDG 1- No poverty
- SDG3 - Good Health and Well-Being; 9<sup>th</sup> Rank in India
- SDG 4 - Quality Education
- SDG17- Partnerships for the Goals

As per THE Ranking, the world rank is between 1001 – 1500; 56 in India Ranking

## Community Engagement Programme

The university has been actively engaged in community welfare through comprehensive health screening and diagnostic services. Over the year, 30 community health camps were organized across Vizianagaram and Visakhapatnam districts, providing essential medical support to underserved populations. Key initiatives included anemia detection and nutrition support, where over 200 patients were identified and counseled, and vision screening programs, through which 300+ free reading glasses were distributed. The university also conducted awareness and preventive health education programs in schools and colleges, fostering health literacy among students and local communities. Additionally, multiple blood donation



camps were organized, collectively serving over 3,000 beneficiaries, thereby strengthening both community health outcomes and experiential learning opportunities for students.

### **Innovation and Incubation Initiatives**

The university actively promotes an entrepreneurial culture by encouraging students and faculty to develop and manage real-world enterprises within the campus ecosystem. Student-led ventures such as *Centurion Coffee Connect*, the *Food Centre*, and a range of *apparel products* provide hands-on experience in business planning, operations, customer engagement, and innovation. These initiatives not only nurture leadership and problem-solving skills but also help students gain financial literacy and entrepreneurial confidence. Complementing these efforts, faculty-driven enterprises like the *Apparel Unit* and *Paver Block Unit* demonstrate applied research, process optimisation, and industry-oriented production, serving as living laboratories for students to observe and learn.

Impact: 20+ startups nurtured, 9 revenue generating ventures, 13 MSME recommended ideas, 47 students exposed to startup ecosystem, 9 trained innovation ambassador faculty, 45 school mentored

### **MoUs**

The University has signed a series of strategic Memoranda of Understanding (MoUs) with renowned academic institutions, industries, and government organisations to strengthen its academic quality, research capabilities, and student development initiatives. These MoUs aim to facilitate collaborative research, faculty exchange, skill-based training, internships, and industry-integrated learning opportunities.

<b>S.No</b>	<b>MoU</b>	<b>Purpose</b>
1	AVALANCHE	Blockchain Certificate, workshop, grants, Hackathon
2	Telegraph	Internship and live projects in Blockchain
3	Polkadot	Academic Partner
4	Stellar	Hackathon
5	Coinbase	Research
6	QNU	Establish Quantum Computing Labs (COE)
7	QpiAI	Research in Quantum Computing
8	Chella Software	Training and Internship in Flutter
9	UP State forensic Lab	Internship and research in Forensic Science
10	Chattisgarh State Forensic Lab	Internship and research in Forensic Science
11	FLYVOUGE Pvt. Ltd.	Training & Placements & Skill Development



12	IBSC(AMTZ)	Biomedical training and internship
13	Maharaja College	Research & Innovation
14	Code F Solutions Pvt Ltd.	Train students in Biomedical code
15	Academic & Research Vertical of World Allergy Foundation. Hyderabad	Research & Placement
16	Coyolia Technologies Ltd.	Research & Employment
17	Swastha Suchan	Innovation
18	Ramachandra College of Engineering	Research & Innovation
19	KRIYA Raprotech Solutions	Innovation & Skill Development
20	SHRM Bio Technologies Pvt Ltd	Research
21	Central Tribal University	Collaborative IKS activities
22	GOG, IIT, Guwahati	Offer B.Tech CSE in AI & ML Programme

### Key Initiatives

**62<sup>nd</sup> DAC 2025:** At the Design and Automation Conference (DAC) 2025 held in San Francisco, we showcased our recent advancements in Chromite m-SoC, Embedded Systems, FPGA, and High-Performance Computing for AI/ML applications. We also presented our successful digitisation initiatives in the Apparel Manufacturing Unit through industrial-grade IoT automation. The event provided excellent exposure, enabling us to connect with potential collaborators and expert communities working in emerging areas such as accelerated physical design, Quantum Computing, and FPGA technologies.

**Quantum Computing:** Identifying, and successfully developing the Proof of Concept (PoC) for use of Quantum over Classical AI/ML areas in Agriculture, Bioinformatics and Forensics where Big Data and Bottleneck HPC Performance tradeoffs come into play-

Our Collaboration has been extended to LTI Mindtree, QpiAI, Qnu Labs, Quantum AI, etc.- for educating the Students on Current Quantum Computing so that they will be Quantum Ready between the Quantum Policy 2025-30.

Apart from that, We have applied for the Quantum Algorithm Proposal under DST-NQM drive 2025 and One for setting up UG-Labs for Quantum Communication under DST along with partner institutions like NIT Puducherry, VIT-Vellore.

**Blockchain:** Centurion University has established itself as a strong center for blockchain and Web3 education and ecosystem development. Through Blockchain academic & Campus to Crypto student community, we have built a national-level talent pipeline, trained students in blockchain technologies, and connected them with global Web3 networks. Our students have secured top-level placements: in



several cases, offers have reached **\*\*USD 60,000\*\***, underscoring the global demand for high-quality blockchain graduates from our institution. We've built collaborations with multiple Layer-1 Blockchain Foundations and Web3 organizations like Avalanche Polkadot, Steller etc, strengthening our institutional credibility in blockchain education, practical exposure, and real-world application readiness.

**Drone manufacturing:** The University has established a Drone Manufacturing Unit, SuperBee, within the campus, focused primarily on medium-category agricultural drones. This advanced production center provides a dynamic platform for our faculty and students to engage with cutting-edge technologies and contribute to innovative product development. Students are also working as interns in the Drone Lab, gaining hands-on experience in design, assembly, testing, and real-world applications of drone technology.

**Smart Agriculture:** The Centurion School of Smart Agriculture is actively advancing its farming initiatives across 100 acres at Keratam village, with notable progress during the 2025–26 seasons. In the previous Kharif season, paddy was cultivated on 17 acres—2 acres organically and 15 acres inorganically—yielding 1.9 tonnes and 9.5 tonnes respectively, marking a significant achievement in large-scale paddy production. For the ongoing Rabi season, the school has planned 7 acres of organic paddy (RNR 15048), 2 acres of sweetcorn, and the remaining land for seasonal vegetables, with field preparation underway. Parallely, the adjacent 23-acre farm is being developed, including a 10-acre banana plantation under drip irrigation and additional land for integrated organic farming. An 11-acre block has been dedicated to millet cultivation to promote climate-resilient practices, while a 51-acre mango orchard is undergoing systematic rejuvenation with nutrient management, spraying schedules, and continuous pest–disease monitoring to enhance upcoming yields.

**Saffron Cultivation:** The University has initiated saffron cultivation under controlled environmental conditions as part of its advanced crop research programme. The crop is being grown in the Speed Breeding Unit, where temperature, humidity and photoperiod are carefully regulated to replicate the temperate climate required for saffron. High-quality bulbs were introduced into the chamber at an initial temperature of 8–10°C to promote sprouting and vegetative growth. As part of the flowering induction protocol, the temperature has now been lowered by 4°C to provide the essential cold shock needed for bud differentiation and flowering, marking a significant step in precision-based saffron cultivation research.

**The 2nd Rythu Sammelanam 2025** was successfully conducted on 8th November at the Vizianagaram campus, witnessing an overwhelming participation of more than 400 farmers, 100 school students, and 41 exhibition stalls representing input companies, FPOs, government departments, and CUTM Odisha. The event was inaugurated by the Hon'ble Minister for MSME & SERP, Sri Kondapalli Srinivas Garu, in the august presence of Hon'ble MLAs of Vizianagaram and Nellimarla and other distinguished guests. The dignitaries visited the exhibition stalls, interacted with the students, and appreciated the innovative modules showcased by the Centurion School of Smart Agriculture and the MSSSOA–PKD team. The programme featured technical talks, demonstrations, and farmer–industry interactions aimed at enhancing agricultural knowledge, technology adoption, and livelihood opportunities. The entire event was coordinated smoothly under the guidance of the University leadership, with exemplary support from faculty, staff, and students, making the Rythu Sammelanam a grand success.

#### **CUTM-GRAMTARGAN Group initiatives**

CUTM and the Gram Tarang group are working together to strengthen industry-integrated education through a dynamic ecosystem of enterprises that support learning, skilling, and innovation. Companies



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such as **GTIDS** in Fintech, **GTIB** in Insurance Broking, **GT Tech** for higher-education skilling in new-age technologies, and **GTET** for focused skill training actively collaborate with the University to enhance student competencies. Additionally, **SuperBee**, a drone manufacturing venture, and **Go Green Agritech Solutions (I) Pvt. Ltd.**, a 100% Export-Oriented Unit, provide students with exposure to cutting-edge technologies and agritech innovations. Through internships, live projects, and continuous academic support, these industry partners play a crucial role in enriching curricula, building practical skills, and preparing students for emerging career pathways.

Gram Tarang Technologies (GT Tech) and Centurion University have emerged as a leader in delivering advanced Industry 4.0 solutions to heavy industries. Our expertise spans software development, product design, modeling, prototyping, visualization, product and process optimization, simulation, and digital project management systems.

Recognizing the rapid transformation in the job landscape and the evolving skill demands of industry, GT Tech is actively designing and delivering job-focused learning pathways. These specialized tracks cater to sectors such as Automotive, Cloud Technologies, Cybersecurity, Aerospace, Pharmaceuticals, Artificial Intelligence & Machine Learning, among others. Each track is tailored to industry requirements, ensuring that skill content aligns with current standards and expectations.

A dedicated digital platform has also been developed to serve as a marketplace where industries can discover highly skilled talent nurtured jointly by Centurion University and GT Tech. In addition, GT Tech is expanding its contributions to emerging domains, including digital automation solutions for agriculture. The company also plays a meaningful role in rural empowerment by creating sustainable employment opportunities for women in nearby villages through SMO operations. Our collaborations with leading global partners such as Dassault Systèmes, AWS, and others enable us to serve as system integrators for proprietary technologies, strengthening our ability to deliver robust and future-ready solutions.

### **Future Plans**

Centurion University has outlined an ambitious set of future plans aimed at expanding academic excellence, skill development, and inclusive education. A two-day mega Skill Mela is scheduled for January 2026, along with the launch of 100+ skill courses designed to promote employment and entrepreneurship. The University is also introducing new academic programmes, including BSc Nursing and BSc Physiotherapy, and will offer a PWD certificate/diploma programme in collaboration with Sarthak to support learners with diverse abilities. Additionally, short-term certificate and diploma courses in Allied Healthcare and Forensic Science are planned to address emerging industry needs. To strengthen its research ecosystem, the University will host an IEEE Conference in July 2026, further reinforcing its commitment to innovation and global academic engagement.