



## ANNUAL REPORT: 2022-23

The Centurion University was established in the year 2017 under the Act of the Andhra Pradesh Legislature as a Private University to offer Vocational, UG, PG and Doctoral programme in multiple disciplines. The University has set up School of Engineering and Technology, School of Management and School of Paramedic and Allied Health Sciences with current student strength of appx.1500. We have 56 faculty and 87 non-teaching staff working in the University. The campus is spread over 67 Acres of land with following built up area;

- Academic and administrative Blocks; 2,28,000sft
- Workshop: 50,000sft
- Hostel: 64,000sft
- Other infrastructure: 19,500sft
- It has also created sports and recreation facility inside the campus.

### 1. Key Initiatives

- i. The University has been pioneer in implementing innovative curriculum that align with the current NEP 2020 model. The UG programme follows multidisciplinary approach and provide opportunity for multiple entry and exit option with Academic Bank of Credits (ABC).
- ii. We have implemented Blockchain certificates for our students and 2023 passing out batch students can access and share their testimonials for all purposes.
- iii. The University is getting ready for the 1<sup>st</sup> time National Assessment and Accreditation Council (NAAC).
- iv. The University has submitted its application for 2f approval from UGC and the date for inspection is awaited.
- v. The University has applied for Times Higher Education Social Impact Ranking SDG 1, 3, 4 & 17.

- vi. Plan to set up Centurion School of Smart Agriculture, School Pharmacy and Life Sciences and School of Nursing from the academic session 2024.
- vii. The University has created Centurion Capacity and Competency Development Cell (CCCDC) that conducts various development programme for faculty and staff. The objective of CCCDC is to analyse the points of failure while executing University/UGC and Centurion model of higher education. It also provides support the sectoral teams on methods, mechanism and structures that help in addressing the challenges. The University has conducted 16 workshops/expert talk for faculty and staff in the 2023 academic year.

## **2. Recognitions**

- i. The faculty of the University have got 2 research projects from RINL
  - a. Material Tracking in Billet Mill; project cost: Rs.43 lakhs
  - b. Bar Counting and Chain Moments; project cost: Rs.20 lakhs
- ii. We had organized internal Hackathon where 300 students worked on 50 industry defined Smart Indian Hackathon problems. One team has been selected to participate at national level. The problem statement is “Tracking Ladle position in Steel Melting Shop”.
- iii. One of our BBA student, B Adinarayana got GOLD medal State Weight Lifting Championship, Senior group organized at Narasannapeta, Srikakulam, Andhra Pradesh

## **3. Courses Offered,**

- i. The University offers 16 under-graduate programmes in Engineering, Paramedic & Allied Health and Management disciplines. We have plan to offer 21 UG programme, 5 PG Programmes in existing disciplines and to add Agriculture, Pharmacy, Nursing and Physical Education
- ii. The University has been empaneled with PMKVY to offer Future skill courses from current session.

## **4. Teaching and Quality Assurance**

- i. The University has structured its curriculum to provide hands-on experience leading to Industry skill for Job, Higher study and Entrepreneurship. The pedagogy designed to impart project-based learning while importance is given for design thinking, problem solving and analytical skill. Evaluation and examination scheme is designed for continuous assessments of learners and to measure course outcomes

and programme outcomes. The annual academic audit is carried out assess and improve the teaching learning eco system in the University,

- ii. Learning records for students and teaching-learning records for faculty are maintained for better learning and its traceability. Results analysis to ensure the quality of delivery is a regular feature. At post graduate and PhD levels regular reviews of progress is another tool to ensure that students are on track to completion.
- iii. Student specific action plans for timely graduation and realization of career objective are used as tools for mentoring by the faculty. Mentors assigned closely monitor and support the students in their efforts.
- iv. The University conducts paper less examination through Tab and provides remote access to faculty for online evaluation of answer sheet and submit marks from any location. The University has created question bank that allows EMS to select questions at random and set for the examination and it is periodically updates. It has reduced consumption of papers, storage space and challenges confidentiality.
- v. The University has smart classrooms and advanced labs supported by Super Computers to run high end software/tool.

## **5. Research, Consulting and Outreach**

### *i. Entrepreneurship Development*

- Centurion University is promoting entrepreneurship culture and 6 Optometry students have started Optometry shops in their locality. \
- Tissue Culture: The centre emphasizes on research, training and production of horticultural crops like banana, pineapple, gerbera, bamboo, etc. It is an exclusive centre executing research and production simultaneously with full dedication. Local villagers involvement in production after training is highly appreciable and students from different state involve in research in collaboration with ICAR/CSIR organization. The centre focuses on research in Agri-genomics with specialization in allele mining, genome-wide allelic analysis and characterization conferring abiotic stress (salt, drought, heat, etc.) tolerance in various field crops rice, millets and horticulture crops like banana, bhendi, brinjal, etc., with breeding programs leading to crop improvement along with production, products and publications.

### *vi. Patents and Publications*

- In this year, the faculty have published 55 articles in national and international journals, 2 book and 3 book chapters, and 63 conference proceedings; further over 15 patents have been published.
- Currently 20 candidates are pursuing PhD programme.

## 6. Collaborative Work with Social Entrepreneurial Outreaches

### i. *Gram Tarang Technologies (GT Tech)*

- Gram Tarang Technologies Pvt Ltd, a company incubated by Centurion University pioneered in cutting-edge technology platforms and provides Industry 4.0 solutions to heavy industries, spanning product design, modeling, prototyping, visualization, product/process optimization, simulation, and digital project management system. Additionally, we are deeply involved in the growing fields of manufacturing electric vehicles (EVs) in various configurations and researching digital automation-based products for the agricultural sector. We collaborate and partner with companies, Dassault Systemes, AWS and many others, that possess proprietary software, serving as system integrators.

### ii. *Gram Tarang Inclusive Development Services Pvt. Ltd. (GTIDS)*

- GTIDS is currently operating 27 drone clusters across 7 states of India where 90 agriculture drones have been deployed offering spraying services to chilli, cotton, paddy, maize and vegetable farmers. Further, GTIDS is involved in drone and hydrographic survey for rejuvenation of water bodies in Odisha. It is also offering RGB and multispectral drone imaging series to study the parameters like crop health, moisture content, yield, etc. GTIDS further intends to diversify to manufacturing survey grade and agriculture and surveillance drones.

## 7. Collaboration

Centurion University's linkage with its Alumni Association has been further strengthened by closely integrating it with the curriculum development, class room teaching, student internship and placement support.

MoUs; We have 62 MoUs with Hospitals and in 2022-23 9 MoUs have been signed and all these are active. Some of the MOUs signed were:

1. Dr. V.S.KRISHNA College(A), Maddila Palem, Visakhapatnam
2. Medigo Diagnostics, Visakhapatnam
3. Vrinda Neuro Super Speciality Hospitals, Health City, Arilova, Vizag
4. ANDHRA Hospitals, Vijayawada

5. Rainbow Children Hospitals, Hyderabad
6. Rain Bow Children Hospitals Arilova, Health City, Visakhapatnam
7. Indian Biomedical Skill Council, AMTZ
8. NRI Hospital, Vizianagaram
9. MIBIZ Cyber Forensic Laboratory, Tiruvananthapuram, Kerala

## **8. Conferences and Seminars**

During the year, 31 number of workshops and conferences were organised by the University. Some of these include:

### **Conference/Seminar/Events Name**

- Workshop on Trouble shooting in PAL's
- Workshop on Orthoptics
- Workshop on Scleral Contact Lens
- Biovia Workshop
- Lecture on MRI in his own Hospital today
- Talk on Neuroscience and Cognitive Approach
- Talk on Health is Wealth
- Talk on Scope of Anaesthesia
- Talk on Vedic Mathematics
- Talk on Radar Technology
- Webinar on Computational Simulation Technologies for Advanced Research
- Eye Camp at Sai Siddartha Junior College
- Blood donation camp
- Workshop on Forensic Photography
- National Conference on Forensic Finds-2K23
- Workshop on Research and Publications
- Workshop on CPR Anaesthesia and Operation Theatre Instruments & Equipment
- Centurion Hackathon for 3 days x 24 hrs worked 50 SIH projects
- Internal Hackathon
- Vedapatasala Offline Training
- World Sight Day
- Webinar on Capacity Development and Sustainability
- Expert Talk on Decision Making with Spread sheets
- Webinar on Robotics in Agriculture
- Talk on Soft Skills
- Talk on Gender Sensitization
- Recent Trends and Technology in IoT and AI
- Talk on Gender roles and Gender Sensitisation
- Talk on Cleanliness and Hygiene
- B12FEST
- CME (Continuous Medical Education)

## **9. Extra-Curricular Activities**

The Centurion University creates awareness, sensitizes the young minds for a responsible behavior, inclusiveness and innovation. Thus, students undertake various social responsibility activities. The students conducted several awareness campaigns in the form of street plays, and displays on various social issues. Community visits to villages, old age homes, etc. are regularly organised such that students learn respect and empathy. Further, the University organised blood donation drives, health check-up camps in neighboring villages and towns. Other significant days observed are the World Radiology Day, World Optometry day, World Aids Day, Engineers' Day, Forensic Science Day, National Sports Day, Teachers' Day, Yoga day, World Photography Day, Shramdaan for Swachhata, Campus beautification, Wildlife Conservation Day and many sensitization and awareness programme for staff and students.

## **10. Placement**

- Out of 166 students 105 students were interested for jobs 61 for higher studies. 87 students got placed. Placement %; 83%. The highest salary was 10 LPA
- Key recruiters include Hexaware Technologies, Brillio, Evolutyz Corp, Capgemini, Cognizant Gen C, SkillVertex, Lenskart, Chaitanya Eye Hospital, Apollo Hospital and many more