

# Learn Experience Change



**Centurion  
UNIVERSITY**

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



## School of Forensic Sciences

*"Discover the Science of Truth—Shape Your Future  
in Forensics" at Centurion*



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**Learn the world** - Lifelong learning is an extension of classrooms, books and theories.

**Experience the world** - The perfect balance of knowledge and skills is the key to making a real difference.

**Change the world** - The university and our students must transform societies – change begins with us.

# Shaping Lives...

## ABOUT US

Centurion University is a pioneer in 'Skill Integrated Higher Education'. Its unique model lays specific emphasis on creating sustainable livelihoods (aligned to SDGs) in challenging geographies through education that results in employability and ignites entrepreneurship. This model has been recognized by multiple Governments (Central and State), International Organizations such as UNESCO, the World Bank, and Policy Think Tanks like the NITI Aayog.

We strive to excel as the best-in-class human resource development hub that builds employable, enterprising and society centric youth through industry relevant education, skill development, new ventures, production, and technology development.

Living by the value system of Inclusivity, Integrity, Equity, Respect, and Sustainability; our founders, faculty, and staff are fully committed to - **Shaping Lives, Empowering Communities.**

Focusing on experience based and practice-oriented learning to create transformative impact through community-centric innovation and action research, the university has built an ecosystem that includes and integrates communities, industries, entrepreneurs, and other education and research institutions.

The university encourages its students to participate in the WorldSkills Competition, while many students have won gold and silver medals at the national level.

**The Centurion curriculum is aligned with the National Occupational Standards (NOS) as per the National Skills Qualifications Framework (NSQF). It is the only university accredited by the Government of India to contribute to the development of NSQF by creating new job roles and Qualification Packs (QP).**



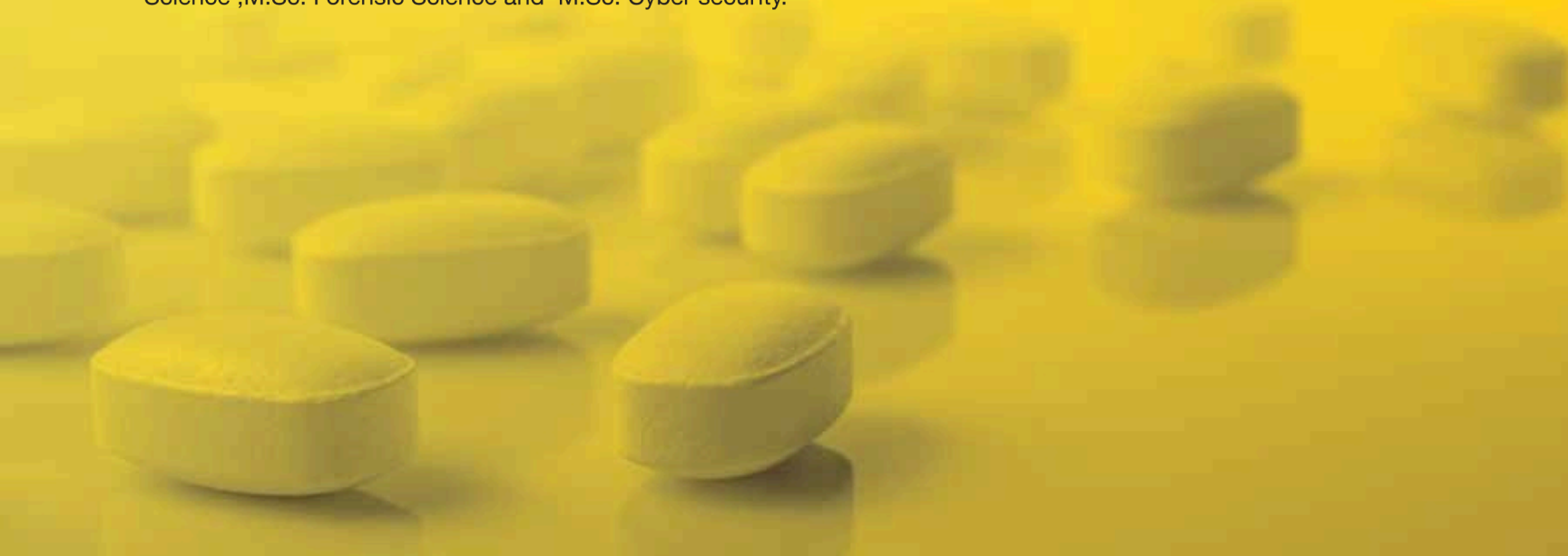
# *Empowering Communities...*

About

## **SCHOOL OF FORENSIC SCIENCES**

Centurion University started School of Forensic Sciences in year 2017 with Gujarat Forensic Sciences University as its knowledge partner. It aims to create suitable aid for justice system through skill based education and research on Crime Prevention, Criminal Investigation Procedures & Laws, Criminology theories, and Cyber Security. It focuses in accomplishing student's career in Forensic domain: government sector (DFS, CFSL, SFSL), research and entrepreneurship. The students are involved in hands-on practice via dissertation reports and small tenured projects related to different branches of forensic (chemistry and toxicology; biology; digital forensics; fingerprints and questioned documents).

Centurion University's School of Forensic Sciences is affiliated to National Forensic Sciences University, Gandhinagar which is World's First Forensic Science University to fulfil our pursuit to continuously improve and enhance the subject of Forensic Science through innovative teaching and research work. Centurion University Offers Integrated B.Sc.-M.Sc. Forensic Science ,M.Sc. Forensic Science and M.Sc. Cyber security.





B.SC. Honours in

## FORENSIC SCIENCE

B.Sc. Forensic Science is a 4-year degree course that involves the application of scientific knowledge for crime investigation. Forensic Science mainly focuses on crime-laboratory-based professions. This knowledge analysis area is vast and different. It could be anything from blood stain/splatter analysis, DNA profiling, and fingerprint development to recovering data from mobiles and laptops. The course enhances the inherent detective ability and rational thinking of a person. It helps them to think from various perspectives with strong analytical skills and keen observation skills as well.

### Duration

4 years

### Eligibility Criteria:

HSC (10+2) in Science  
(Physics/Chemistry/Biology/Mathematics)  
with at least 55% for General/OBC/EWS  
category candidates and 50% or equivalent  
for SC/ST and PwD category candidates.

M.SC.

## FORENSIC SCIENCE

M.Sc. Forensic Science concentrates on practices, procedures and analytical techniques used within forensic science, and how they are applied in support of the investigation of crime. It is a two-year postgraduate degree divided into four semesters. The course deals with the study of crime investigations. It provides training to students that include analysing, identifying suspects through materials found on crime locations. The course enhances an in-depth understanding of forensic science principles, its policing, and criminal investigation through teaching and research. With the M.Sc. Forensic Sciences Programme, students will be introduced to different forensic science techniques, photography techniques, and more to supervise the crime scene in different situations.

### Duration

2 years

### Eligibility Criteria:

Bachelor's degree in Science / Forensic  
Science/ Medicine / Engineering /  
Pharmacy/Dentistry/Ayush with at least 55%  
for General/OBC/EWS category candidates  
and 50% or equivalent for SC/ST and PwD  
category candidates.





M. Sc.

## CYBER SECURITY

Master of Science or MSc in Cyber Security is a 2-year postgraduate level degree course inculcating the study of cyber laws and cyber security. The aim of the program is to provide learners with essential expert technical knowledge, competence and research skills of the most important technical concepts of cyber security and how they are applied in emerging areas such as device security and forensics. The courses are technical and practical in nature, uniquely embedded in industry, and develops in-depth expertise of core technical topics within the area of cyber security and digital forensics such as information security, secure programming, network security, penetration testing, malware analysis, IT law and ethics, and technologies and tools that support application and service vulnerability detection, incident detection, data and log retrieval and analysis. Courses also provide a sharper focus into forensics and cyber security through the elective subjects that are offered to the learners.

### Duration

2 years

### Eligibility Criteria:

B.E./B.Tech. in Computer Engineering (CE) /Technology OR Computer Science and Engineering (CSE) OR Information Technology (IT) OR Information and Communication Technology (ICT) OR Electronics and Communication (EC) OR B.Sc. (Information Technology (IT) /Computer Science (CS)) OR Bachelor of Computer Applications (BCA) OR equivalent qualification from recognized University with minimum 55% (50% for SC/ST/PwD candidate in the qualifying examination).



# SCOPE / JOB OPPORTUNITY:

## A. **Government Sectors:**

- Based on merit of various public service commission (central and state), staff selection commission examinations and/or FACT and the desired educational qualification, forensic experts can join the Central and State organizations such as Directorate of Forensic Science, Central, State and Regional Forensic Science Laboratories at various positions such as assistant director, scientific officer and scientific assistant as well as Police Department, Intelligence Bureau (IB), Central Bureau of Investigation (CBI), and various Law enforcement agencies.

## B. **Academics (teaching) and Higher studies**

- University grant commission specifies the mandate qualification for assistant professor to be Doctorate degree and/or Masters with UGC-NET qualified candidate in central, state and private universities.
- The bachelor or master's candidate can go for master or doctorate degree respectively.
- The candidate interested in research can join research institutes on qualifying UGC-NET or CSIR-NET or ICMR or AICTE examinations as per requisites for the positions of project trainee or research fellow.

## C. **Private Sectors**

- Banking Sector (Insurance and Finance department)
- Quality Control Bureau
- Private Detective Agencies (e.g. Handwriting Expert, crime scene specialist)
- Hospitals (Forensic medicine department)
- Law Firms (e.g. Legal Counsellor, Investigative officers)
- Research Institutes Contract Research Organisations or Pharmaceutical Industries or Life science organisation or IT industries: Based on specialist area in forensic such as Analytical chemist, Toxicologist, Serologist, QA/QC officer, Auditor, SOC Analyst with a position of Research Associate, Executive or research officer and/or research scientist in various department.

## D. **Entrepreneur or Consultant**



# PRODUCTS MANUFACTURED AT CENTURION







# AWARDS & ACCOLADES

## Student Achievements



### WorldSkills at National Level

| Gold medal in Health and Social Care  
(For the first time in Odisha)

| Gold in CNC Turning | Bronze in Joinery (Wood works)

| Received a **Patent** for “Automated Elephant Detection System to desist Railway accidents by unifying AI and IoT”

| Participated in the Dassault Systèmes and awarded one of the **best projects** – Living Heritage Project - developed model of Konark Sun temple in the 3D Experience Platform.



**“...In India, the Centurion University of Technology and Management (Odisha) ... the only State-enacted University in the private sector with its strong industrial linkage through its Social Entrepreneurship Outreach (Gram Tarang) and its focus on community – has excelled in providing skills to students from rural areas.”**

**Government of Odisha, after careful consideration, have been pleased to accord recognition to the Centurion University of Technology and Management as Skill University.**

- Research Report of Ernst and Young title, “Role of Higher Education in Creating Sustainable Livelihoods and Social Enterprises” is on the Model of Centurion University, published on 24th November 2016.
- NITI Aayog named Centurion University - Gram Tarang as the best practice reference point in the State of Odisha in their report titled, “State Forward: Best Practices from our States” released by the Honourable Prime Minister on 29th September 2016.
- Cited by name as a model in the debate of the General Assembly of United Nations on Right to Education. CUTM has been eloquently mentioned in the UN Secretary General Report on Right to Education (67th General Assembly, 2012)
- Acknowledged by the United Nations for works done in reaching out to the underprivileged through employment linked skill development.
- Case study by UNESCO, “Centurion University model of skilling” in the UNESCO – PROSPECTS: Volume 44, Issue 2 (2014).
- Case study of Wharton University of Pennsylvania, “Startups Spot Opportunity in Training India’s Informal Workforce” for people living in the Naxalite-infested regions in Odisha and Andhra Pradesh in June 2013.
- In Australia India Institute Report, titled “A Very Short Policy Brief: Sustainable Skill Development” in November 2016, the first reference of the policy brief is of Gram Tarang.
- Showcasing of Centurion University’s “Social Enterprise: A Global Outlook” in the Going Global Conference at Cape Town by the British Council in its international research report with a sample size of 200+ Universities where Centurion is the only reference from Indian subcontinent.
- Centurion University has become “Dassault Systèmes Academy Member” and it is the 1st Academy Member of Dassault Systems in India.
- Citation by The World Bank in its report (August 2015) on, “Governance for Quality in Higher Education in Odisha, India” as a unique model reiterating the significant edge in the domain of higher education.
- **The University has published 70 Patents, 7 Copyrights, 2 Design Patents and 2 patents granted.**

# LIFE AT CENTURION

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Bhubaneswar Campus Entrance Gate



Paralakhemundi Campus





Bhubaneswar Basketball Ground



Centurion Cafeteria



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Campuses: Paralakhemundi | Bhubaneswar | Vizianagaram | Rayagada | Balangir | Balasore

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**For admissions, Call: 82600 77222**

**CUTM Odisha – Website – [www.cutm.ac.in](http://www.cutm.ac.in)**

**CUTM Andhra Pradesh – Website – [www.cutmap.ac.in](http://www.cutmap.ac.in)**