

4.1.1. The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc. Describe the adequacy of facilities for teaching – learning as per the minimum specified requirement by statutory bodies

Centurion University has extensive and well planned campuses with more than 25% of the area dedicated to green spaces. It has robust infrastructure which ensures each student has access to relevant facilities and an environment conducive to realizing requisite learning outcomes. Its facilities are 100% compliant with all statutory requirements for the offered courses.

Based on current student strengths, the University presently has 226 Classrooms (including 25% Smart Classrooms), 169 Laboratories (course / subject specific and multidisciplinary), 2071 Computing Equipment (including PCs / Laptops / Tablets), and 12 Seminar Halls / Auditorium respectively, across all campuses.

The University has invested continuously over the past 5+ years to add capacity and capabilities that ensure effectiveness of the teaching-learning process, in the following:

1. Modernized classrooms with 25% “Smart” (including smartboards, projector, WiFi and immersive tech equipment). This ensures a collaborative environment for participative / engaged learning.
2. Multi-disciplinary High-performance Computing Lab in collaboration with Dassault Systemes covering digital design, simulation, AR/VR and gaming related domains (Dassault Systemes 3DS and Unity platforms). This lab is used by various disciplines such as Engineering and Applied Sciences.
3. Best in class laboratories (subject specific as well as multi-disciplinary).
4. Production class Experiential Learning / Skilling labs covering 5-axis CNC machining, Apparel manufacturing, Wood engineering, Transformer manufacturing, Waste to Wealth, Instructional farms and IoT enabled Polyhouses.
5. Multi-purpose drones to facilitate in various academic and research activities.
6. 90% of information systems are hosted on Amazon Web Services (AWS) cloud infrastructure. Investment in 1 Gbps internet ‘pipe’ from Power Grid Corporation of India, gives us the ability to flexibly scale the required infrastructure for additional server space, bandwidth requirement and for specific applications such as virtual rooms / labs.
7. Fully operational content creation team and infrastructure (high-end cameras, high-end PCs with software such as Adobe Creative Cloud and Doodly) that are fully equipped to support the creation and updating of course content.
8. Laptops, tablets and smartphones (as required by the faculty) are available to the relevant faculty, mentors and administrative staff.
9. Best in class Student Information Management, Institutional Excellence and Learning Management Software for seamless communication and analytics to cater to the specific requirement of both students and faculty.
10. Subscription and access to self-learning platforms such as Coursera for world class content from global universities and HEIs.

4.1.1 Annexure

A) Additional / Supporting Information (photographs / literature):

- 1) Overview of the campus at Bhubaneswar. [[Click Here](#)]
- 2) Overview of the campus at Paralakhemundi. [[Click Here](#)]
- 3) Modernized classrooms. [[Click Here](#)]
- 4) “Smart” Classrooms with immersive tech equipment. [[Click Here](#)]
- 5) Links to Dassault Systemes 3DS <https://www.3ds.com/> and Unity <https://unity.com/> platforms.
- 6) Usage of the labs in Engineering. [[Click Here](#)]
- 7) Use in Applied Sciences. [[Click Here](#)]
- 8) Best in class laboratories (subject specific). [[Click Here](#)]
- 9) Multi-disciplinary labs. [[Click Here](#)]
- 10) 5-axis CNC machining [[Click Here](#)]
- 11) Apparel manufacturing [[Click Here](#)]
- 12) Wood engineering [[Click Here](#)]
- 13) Transformer manufacturing [[Click Here](#)]
- 14) Waste to Wealth [[Click Here](#)]
- 15) Instructional farms. [[Click Here](#)]
- 16) IoT enabled Polyhouses. [[Click Here](#)]
- 17) Multi-purpose drones (Location 1). [[Click Here](#)]
- 18) Multi-purpose drones (Location 2). [[Click Here](#)]
- 19) Virtual rooms / labs. [[Click Here](#)]
- 20) Links to Adobe Creative Cloud and Doodly. [[Adobe Spark](#)] and [[Doodly](#)]
- 21) Laptops, tablets and smartphones. [[Click Here](#)]
- 22) Learning Management Software. [[Click Here](#)]
- 23) Link to the LMS. [<http://courseware.cutm.ac.in/>]
- 24) Subscription and access to self-learning platforms. [[Click Here](#)] and [[Click Here](#)]
- 25) Links to various self-learning platforms and subscriptions. [<https://www.coursera.org/>], [<https://www.udemy.com/>], [[Khan Academy](#)], [[NPTEL](#)], [[National Digital Library](#)], [[Vidya Mitra](#)], [[UGC CEC](#)], [[Swayam Prabha](#)] and [[Coursera](#)]

B) Table on Available Facilities:

The facilities available, based on current student strengths, are as per table below:

Facility	Current Capacity (across all campuses)	Remarks
Classrooms	207	Including Smart Classrooms (25%)
Laboratories	169	Course/Subject Specific and Multidisciplinary
Computing Equipment	2345	Includes PCs, Laptops and Tablets
Seminar Halls & Auditorium	12	Includes Auditorium