



# Centurion University of Technology and Management

Vizianagaram Andhra Pradesh, INDIA.

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Recognized under Section 2(f) of the UGC Act 1956, Member of Association of Indian Universities (AIU)

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**Centurion**  
**UNIVERSITY**

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

Mr. Saurabh Gaur, IAS  
Secretary  
Health, Medical & Family Welfare Department  
Government of Andhra Pradesh

## **Subject: Proposal for Supply of IoT-Based CT Simulation Apparatus**

Dear Sir,

Greetings from Centurion University of Technology and Management (CUTM), Andhra Pradesh.

We are pleased to submit herewith our **Proposal for the Supply of IoT-Based CT Simulation Apparatus**, an indigenous, research-driven innovation designed to strengthen advanced medical and paramedical education across the state.

As you are aware, **Computed Tomography (CT)** plays a critical role in modern diagnostic healthcare. However, the use of actual CT scanners for routine academic training is restricted due to high equipment costs, radiation exposure risks, and significant infrastructure requirements. To address this vital gap, Centurion University has developed a **radiation-free, safe, interactive, and highly cost-effective IoT-based CT Simulator** that replicates the essential operational features of a clinical CT scanner. The system offers a fraction of the cost of real CT equipment while delivering substantial training value.

The enclosed proposal provides comprehensive details on the **design, system architecture, IoT-enabled control mechanisms, desktop visualization interface, technical specifications, and commercial offer**. The solution integrates mechanical modelling and digital controls to create a realistic learning environment for students.

This simulator is particularly beneficial for:

- **BSc / MSc Radiology and Imaging Technology programs**
- **Biomedical engineering courses**
- **Training centres for radiographers and imaging technicians**
- **Government medical and paramedical training institutions**

We believe this initiative aligns well with the Government of Andhra Pradesh's focus on strengthening healthcare education, skill development, and the adoption of indigenous, affordable technology solutions.

We would be honoured to demonstrate the system at your convenience and discuss how CUTM can support the state in deploying such training solutions across medical and paramedical institutions.

Thank you for considering our proposal. We look forward to your guidance and support.

Warm regards,

Centurion University of Technology and Management  
Andhra Pradesh