Inauguration of

Computer Assisted Learning (CAL) laboratory in the Department of Pharmacology,

Andhra Medical College

Introduction: The Department of Pharmacology at Andhra Medical College proudly announces the inauguration of its cutting-edge Computer Assisted Learning Laboratory for simulated animal experiments in Pharmacology, only the second of its kind in the state of Andhra Pradesh. This facility represents a significant advancement in medical education, providing both undergraduate and postgraduate students with a simulated environment to hone their skills in pharmacological research without the need for live animal experimentation. This report outlines the key features of the laboratory and the impact it is expected to have on the education of future healthcare professionals.

Event Overview:

- **Inauguration Date:** 7th December, 2023
- **Venue:** CAL lab, Department of Pharmacology, Andhra Medical College

Objective: The primary goal of establishing the Computer Assisted Learning Laboratory for Simulated Animal Experiments is to offer students a realistic and ethical alternative to traditional animal experimentation while ensuring a comprehensive understanding of pharmacological principles.

Facility Features:

1. **Virtual Animal Models:** Our state-of-the-art laboratory is equipped with 8 computer systems currently with Ex-Pharm, the latest and very advanced computer software that provides virtual animal models, allowing students to simulate various pharmacological experiments on these models without the need for live animals.
2. **Realistic Scenarios:** The simulated experiments closely mimic real-life situations, enabling students to experience the challenges and intricacies of pharmacological research in a controlled and ethical environment.
3. **Interactivity and Feedback:** The laboratory offers interactive modules with instant feedback, allowing students to learn from their mistakes and refine their techniques in a risk-free setting.
4. **Multidisciplinary Integration:** The facility integrates pharmacology with other disciplines, allowing students to understand the broader implications of their research and collaborate with professionals from different fields.

Inauguration Event Highlights: The inauguration event gathered faculty members, students, and distinguished guests. The ceremony featured speeches highlighting the importance of ethical research practices, a demonstration of the laboratory's capabilities, and a ribbon-cutting ceremony by our honourable Principal, Dr. G. Butchi Raju sir, to officially open the facility.

Impact on Education: The CAL Lab is expected to have a transformative impact on pharmacology education by:

1. **Ethical Training:** Providing students with a platform to develop and refine their skills in pharmacological research without the ethical concerns associated with live animal experiments.
2. **Increased Accessibility:** Ensuring that all students have access to high-quality training, regardless of limitations posed by live animal experimentation, thus promoting inclusivity in education.
3. **Skill Enhancement:** Allowing students to practice and master techniques in a risk-free environment, resulting in better-prepared professionals for future research endeavours.

Future Plans: The Department of Pharmacology is committed to the ongoing development and enhancement of the CAL Lab. Future plans include expanding the library of simulated experiments, incorporating feedback from students for continuous improvement, and exploring collaborations with other institutions to share best practices in simulated animal experimentation.

Conclusion: The inauguration of the Computer Assisted Learning laboratory for simulated animal experiments underscores Department of Pharmacology's, and by extension, Andhra Medical College's, commitment to ethical education and innovation in medical training. The laboratory stands as a testament to the college's dedication to providing students with cutting-edge tools to become compassionate, skilled, and ethically conscious professionals in the field of modern medicine.


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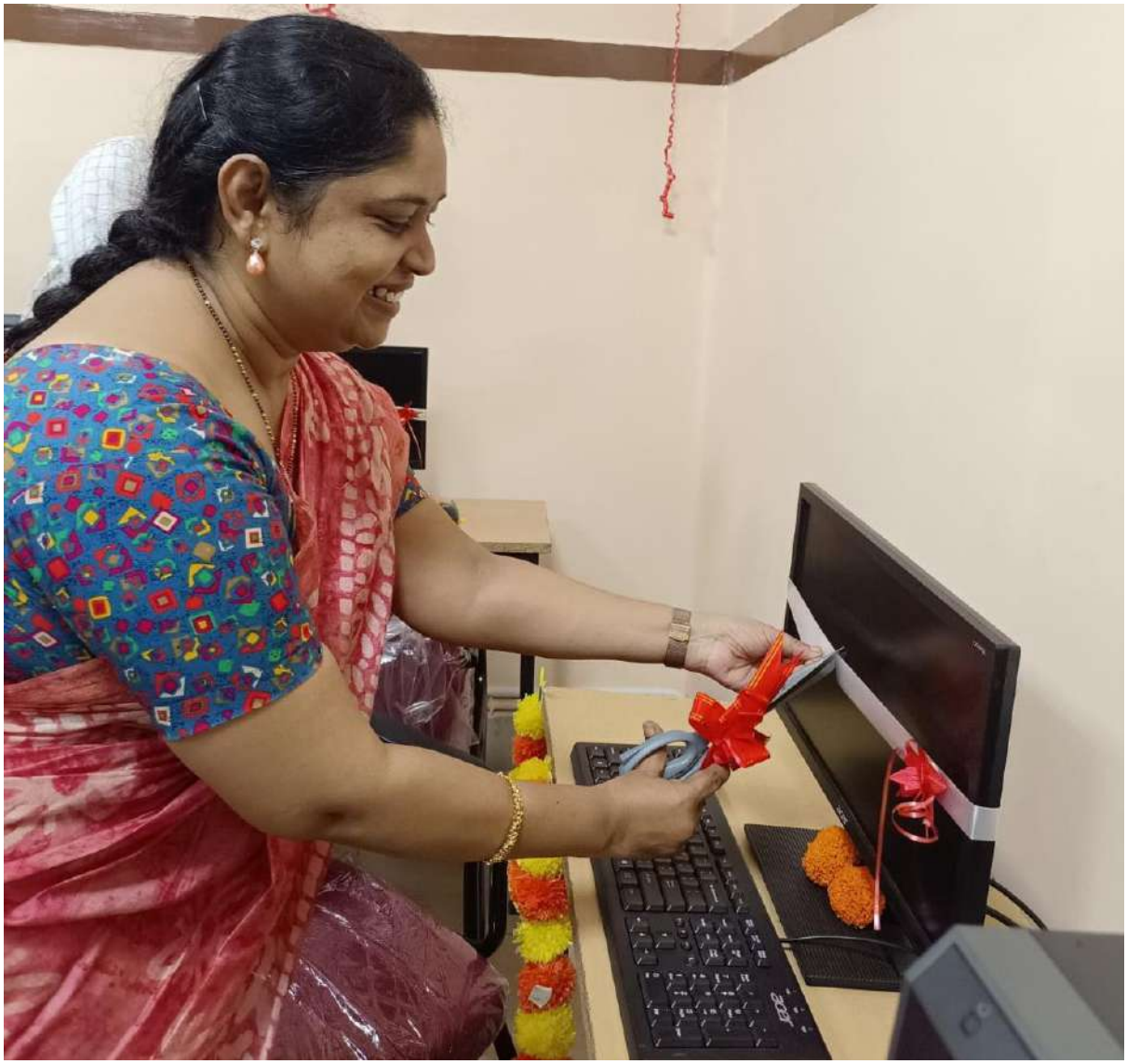


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COMPUTER ASSISTED LEARNING LABORATORY
Inaugurated by
Dr. G.BUTCHI RAJU
M.D., D.M., FAAN, FIAN
Additional Director of Medical Education & Principal
Andhra Medical College
On 07-12-2023
Dr. D. SYAMALA M.D
Professor & HOD
Department of Pharmacology, Andhra Medical College